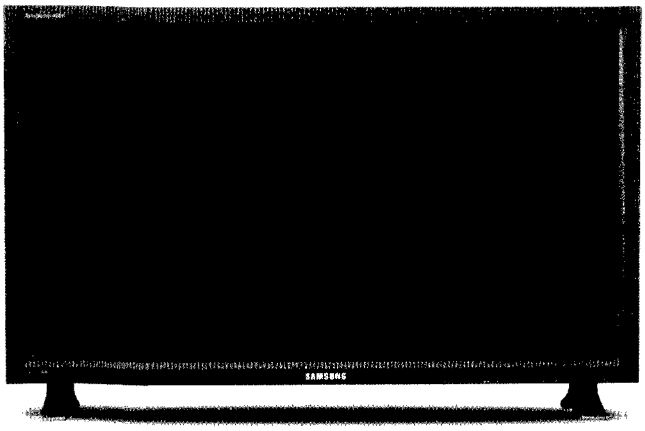
SAMSUNG

LCD-Monitor

Chassis LBE32PS
Model 320P

SERVICE Manual

TFT-LCD MONITOR



Fashion Feature

- VMB (Vertical Marketing Business) Model
- MFM ((Multi Function Monitor) :
  Receives diverse support other than PC
  (DVI, AV, S-video, Component)
- Response Time 8ms PVA adopted
- Sound function reinforced by adopting
  Dolby Virtual, BBE
- Picture quality enhanced by adopting
  DNIe, Digital Noise Reduction
- RS232 Remote Control
  (MDC software provided)

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LBE32PS Service Manual

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1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):

   WARNING: Do not use an isolation transformer during this test.

   Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

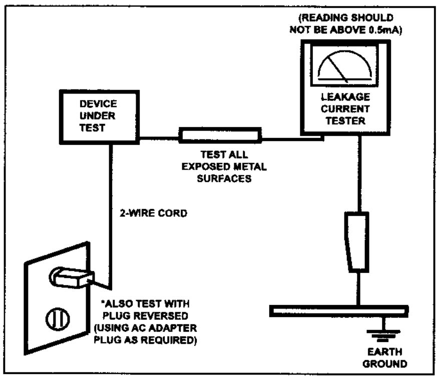


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

WARNING: **An electrolytic capacitor installed with the wrong polarity might explode.**

Caution: **Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.**

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
(a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.
The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Static Electricity Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution: **Be sure no power is applied to the chassis or circuit and observe all other safety precautions.**
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4 Installation Precautions

1. For safety reasons, more than two people are required for carrying the product.

2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.

3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.

4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.

5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.

6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the high-voltage cable or the antenna falling over may cause fire or electric shock.

7. When installing the product, leave enough space (10cm) between the product and the wall for ventilation purposes.
   A rise in temperature within the product may cause fire.

Memo

2 Product specifications

2-1 Fashion Feature

- VMB (Vertical Marketing Business) Model
- MFM (Multi Function Monitor) :

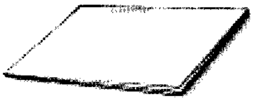
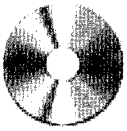
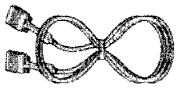
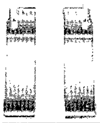
  Receives diverse support other than PC (DVI, AV, S-video, Component)
- Response Time 8ms PVA adopted
- Sound function reinforced by adopting Dolby Virtual, BBE
- Picture quality enhanced by adopting DNIe, Digital Noise Reduction
- RS232 Remote Control (MDC software provided)
- Video input: PC(D_SUB,DVI), BNC, DVI, Component, AV, S-Video
- Audio input: PC(D_SUB,DVI) Stereo, Video (AV, S-Video), Component, BNC
- Image & sound output: PC, BNC, AV, S-Video, Component out, speaker out
- 10W x 2 built-in speaker
- PIP automatic switch timer function: PIP automatically pops-up when setting time
- PIP, OSD menu transparency control
- Sleep timer (automatic switch-off) function
- Wall & Ceiling Mounting (Optional VESA Wall Mount Kit)

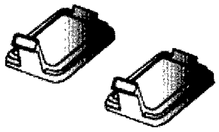
2-2 Specifications

Item		Description
LCD Panel		LTA320W2-L01, 32 inch 697.6845(H) x 392.256(V)
Scanning Frequency	Horizontal	30~70kHz
	Vertical	50~85Hz
Display Colors		16.7 Million colors
Maximum Resolution	Horizontal	1366 Pixels
	Vertical	768 Pixels
Input Video Signal		0.7 Vp-p ± 5% positive at 75Ω, Digital, TMDS internally terminated
Input Sync Signal		Type : separate H/V sync, automatic synchronization without external switch Level : TTL level
Active Display Horizontal/Vertical		871.68 ± 3 mm (H) / 523.008 ± 3 mm (V)
AC power voltage & Frequency		AC 90~264V, 60 Hz/50 Hz ± 3 Hz
Power Consumption(DPMS)		180W, 5W (DPMS)
Brightness		450cd/m^2
Contrast Ratio		1000:1
Response Time		8 ms
Range of vision angle (Left/Right/UP/Down)		89° / 89° / 89° / 89°
PC Input		Analog, DVI-D(Digital),BNC
Video System		AV, S-Video, Component
Sound Output		Max.10W x 2ch
Dimensions (W x H x D)		
Set		780 X 482 X 107 mm 780 X 530 X 223 mm _(With Stand) _Option 982 X 482 X 107 mm_(With Speaker) - Option 982 X 530 X 223 mm_(With Speaker,With Stand) - Option
Package		898 x 600 x 262 mm
Weight (Set/Package)		① Set : 16.10 kg (After installation of Stand) Package : 21.40 kg ② Set (With Stand - (Option) : 17.10 kg ③ Set (With Speaker - (Option) : 19.20 kg
Environmental Considerations		Operating Temperature : 50° F ~ 104° F (10℃ ~ 40℃) Operating Humidity : 10% ~ 80% Storage Temperature : -4° F ~ 113° F (-20℃ ~ 45℃) Storage Humidity : 5% ~ 95%

-Designs and specifications are subject to change without prior notice.

2-3 Accessories

Product	Description	Ccde. No	Remark
	Quick Setup Guide	BH68-00376L	
	Warranty Card (Not available in all locations)	BH68-70438A	
	User's Guide,MDC software, Natural Color software, MagicNet software	BN59-00363N	
	D-Sub(15 Pin) Cable	BN39-00115B	
	Power Cord	3903-000042	
	Speaker Wire Cable	BN39-00315A	
	BNC to RCA Adapter Jack x 4	3705-001262	
	Semi Stand	BN96-00452E	
	Remote control	BN59-00464A	

Product	Description	Code. No	Remark
	Batteries (AAA x 2)	4301-000121	
	Cover-Hole	BN96-00597D	

2-4 Accessories(Sold Separately)

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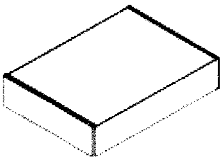
	Wall mount KIT		
	Speaker Set	Silver: BN96-02727A Black: BN96-02727B	
	Stand KIT	BN96-02735A	
	DVI Cable	3701-001173	

Memo

3 Alignment and Adjustments

3-1 Service Mode

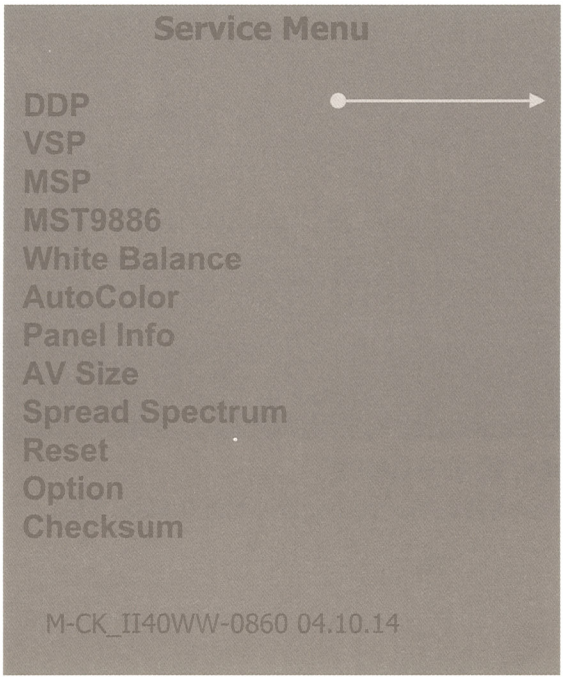
1. How to Enter Service Mode(Using REMOCON)

- Power Off + MUTE + 1+ 8 + 2 + Power On

- INFO + FACTORY (Using Factory Remote)

3-2 Factory Data

- DDP(Display and Deflection Processor)part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DDP
VSP
MSP
MST9886
White Balance
AutoColor
Panel Info
AV Size
Spread Spectrum
Reset
Option
Checksum
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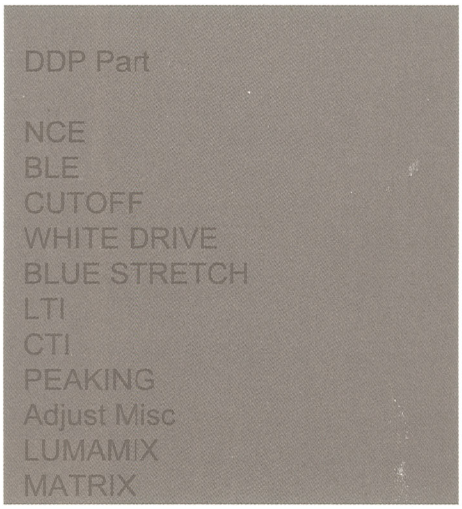
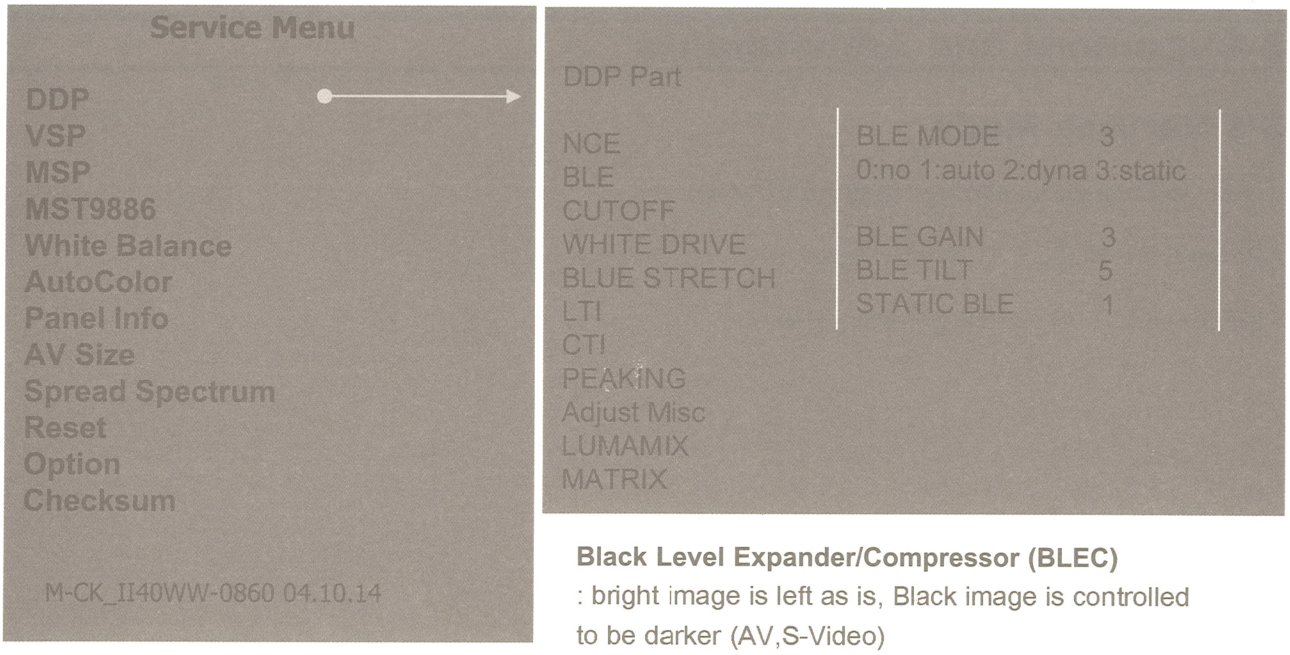

DDP Part
NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc
LUMAMIX
MATRIX

Non-linear Color space Enhancer (NCE)
: Controls the gamma of AV, S-video source.

Do not change value unless necessary, since this is a function added for management by developers according to specifications of each departure port.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White Balance
AutoColor
Panel Info
AV Size
Spread Spectrum
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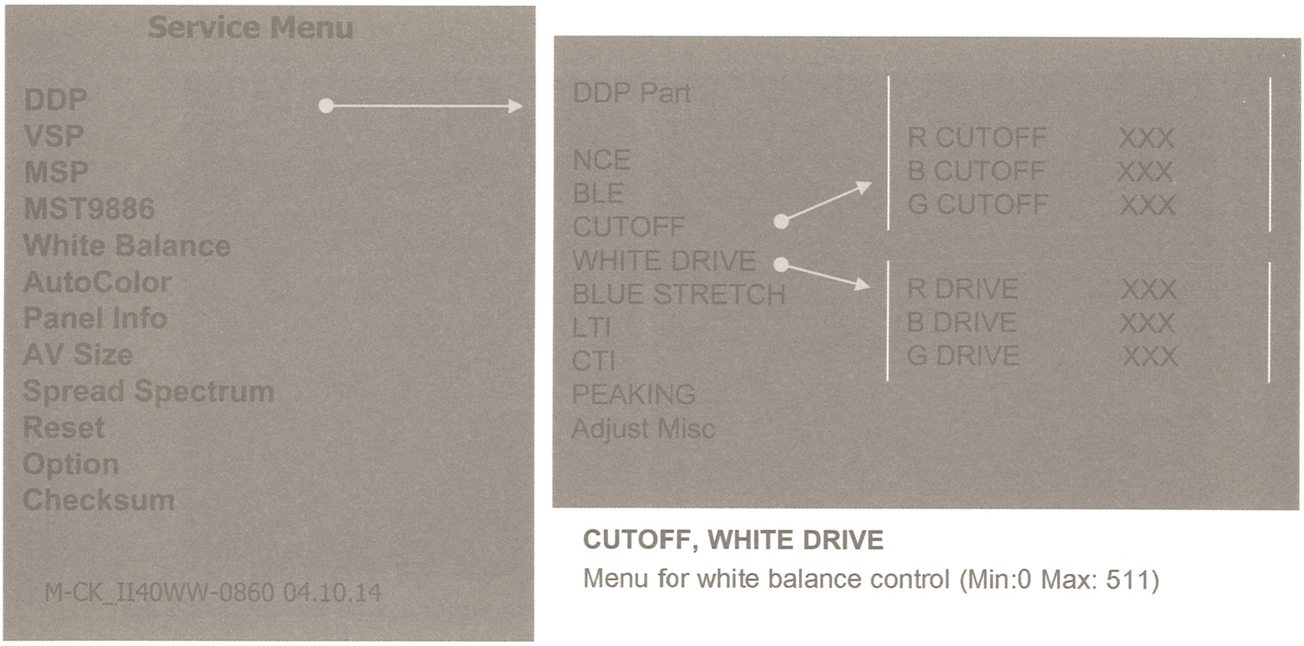
DDP Part
NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc
LUMAMIX
MATRIX

BLE MODE 3
0:no 1:auto 2:dyna 3:static

BLE GAIN 3
BLE TILT 5
STATIC BLE 1

Black Level Expander/Compressor (BLEC)
: bright image is left as is, Black image is controlled to be darker (AV,S-Video)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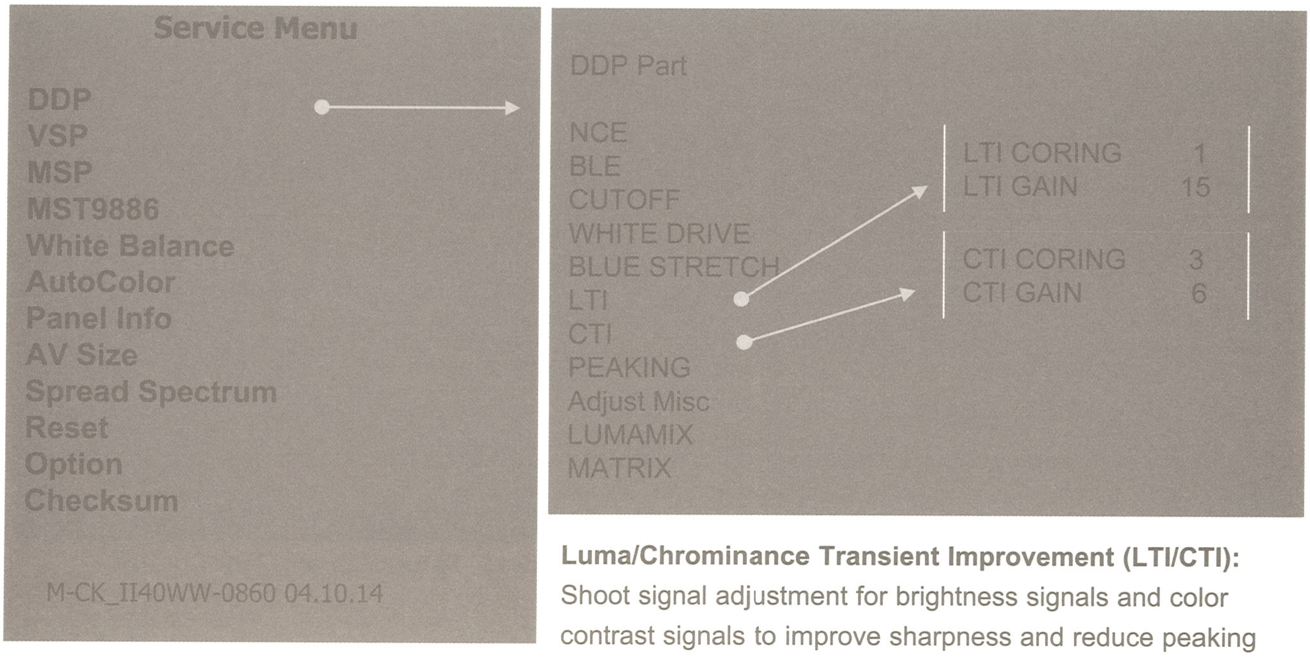
DDP Part
NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc

R CUTOFF XXX
B CUTOFF XXX
G CUTOFF XXX

R DRIVE XXX
B DRIVE XXX
G DRIVE XXX

CUTOFF, WHITE DRIVE
Menu for white balance control (Min:0 Max: 511)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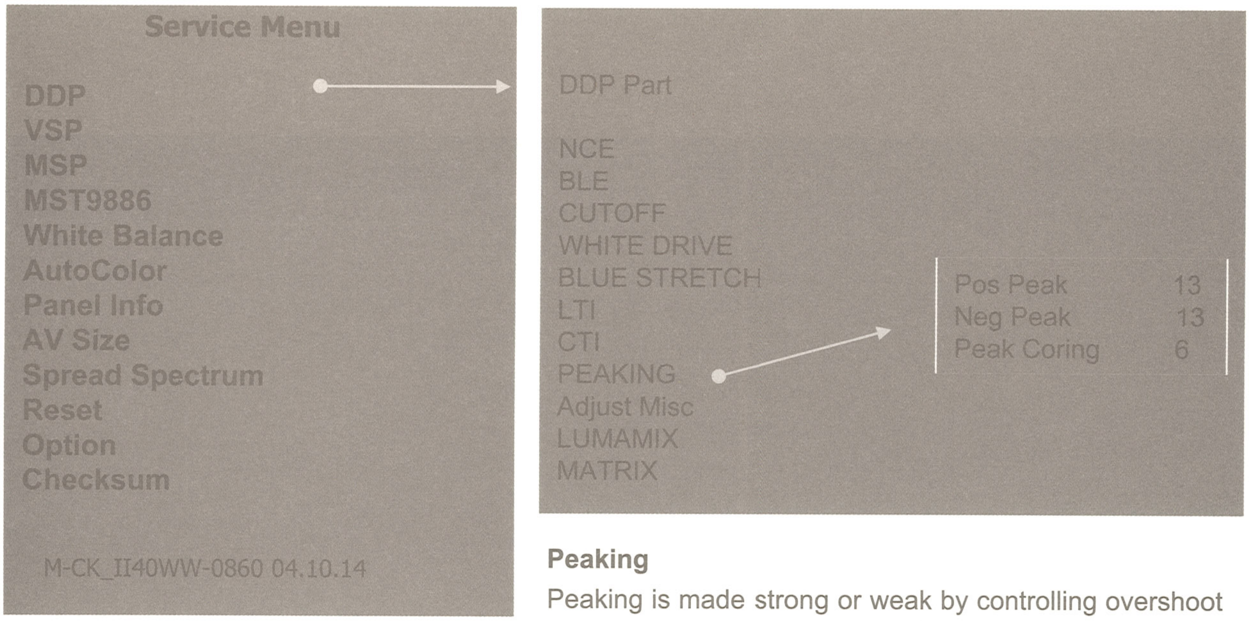
DDP Part
NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc
LUMAMIX
MATRIX

LTI CORING 1
LTI GAIN 15

CTI CORING 3
CTI GAIN 6

Luma/Chrominance Transient Improvement (LTI/CTI):
Shoot signal adjustment for brightness signals and color contrast signals to improve sharpness and reduce peaking (AV,S-Video)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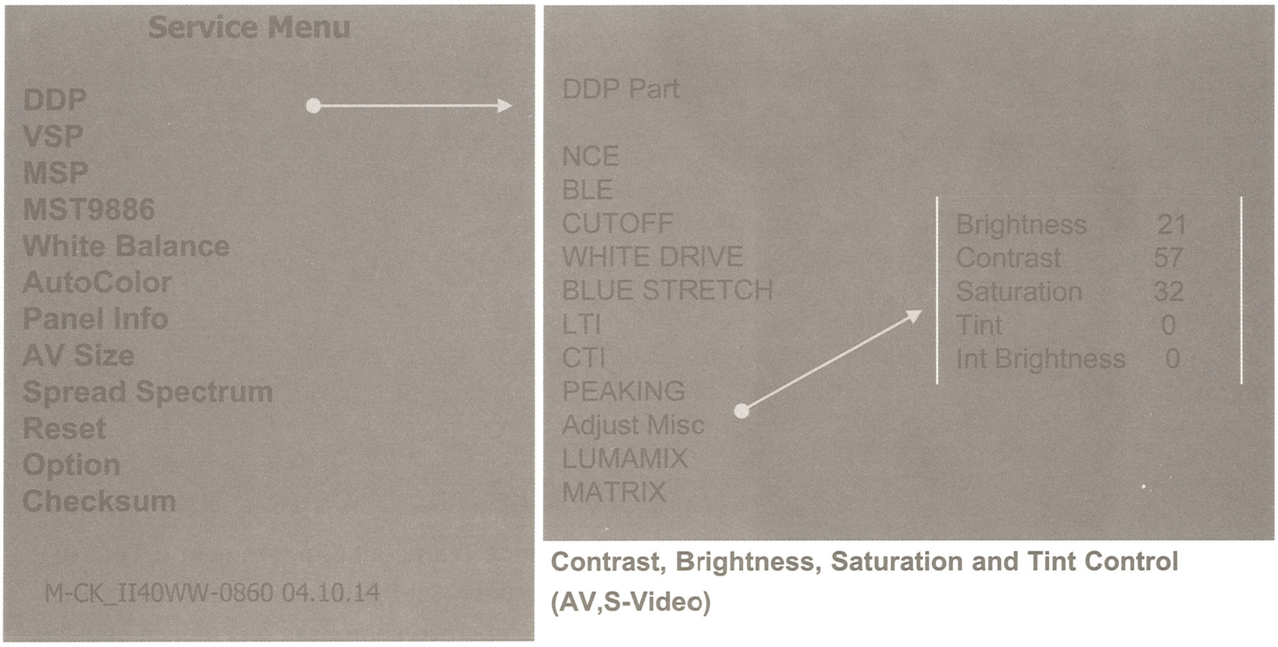
DDP Part
NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc
LUMAMIX
MATRIX

Pos Peak 13
Neg Peak 13
Peak Coring 6

Peaking
Peaking is made strong or weak by controlling overshoot and undershoot (AV,S-Video)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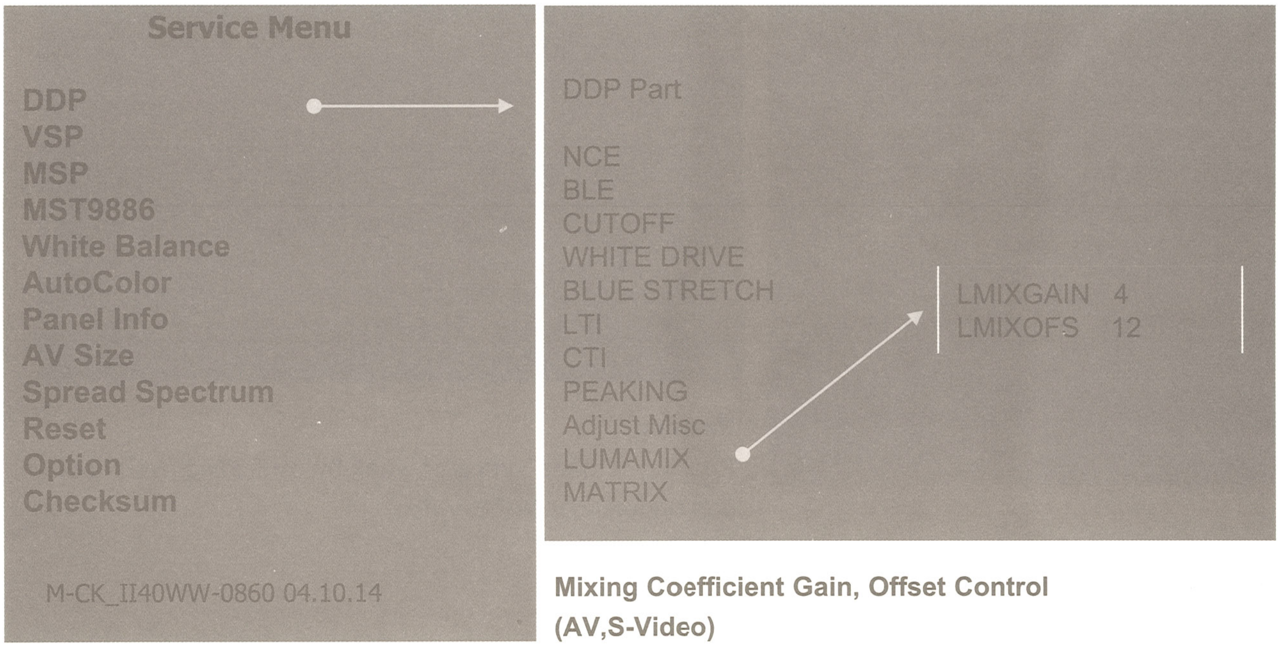
DDP Part
NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc
LUMAMIX
MATRIX

Brightness	21
Contrast	57
Saturation	32
Tint	0
Int Brightness	0

Contrast, Brightness, Saturation and Tint Control (AV,S-Video)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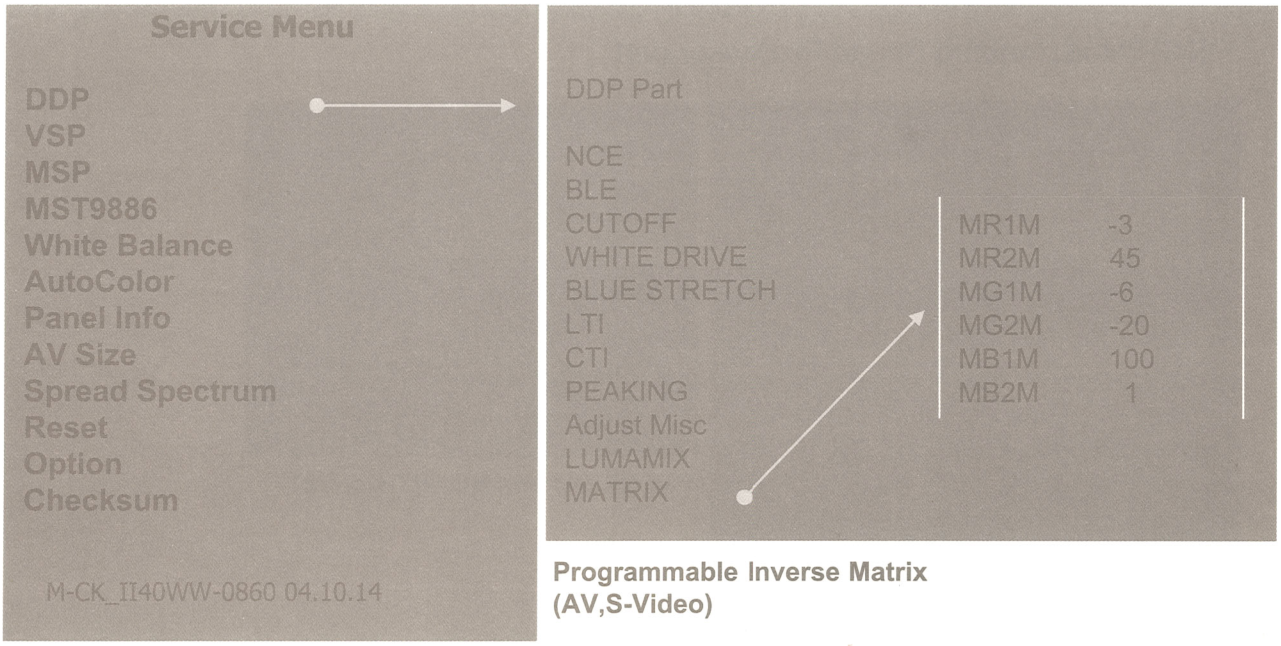
DDP Part
NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc
LUMAMIX
MATRIX

LMIXGAIN	4
LMIXOFS	12

Mixing Coefficient Gain, Offset Control (AV,S-Video)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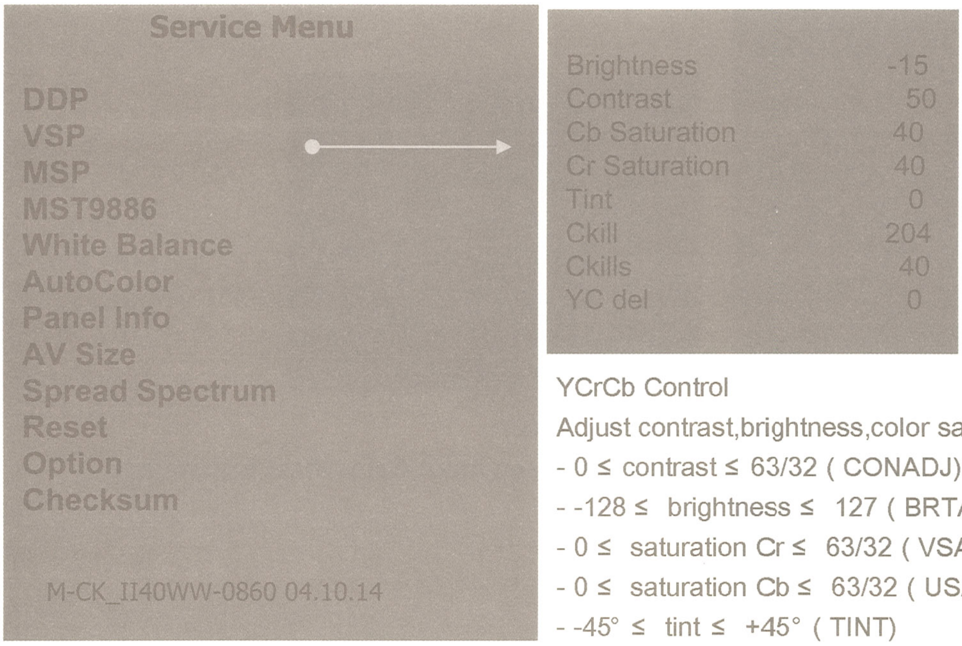
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc
LUMAMIX
MATRIX

MR1M	-3
MR2M	45
MG1M	-6
MG2M	-20
MB1M	100
MB2M	1

Programmable Inverse Matrix
(AV,S-Video)

• VSP(Video Processor)part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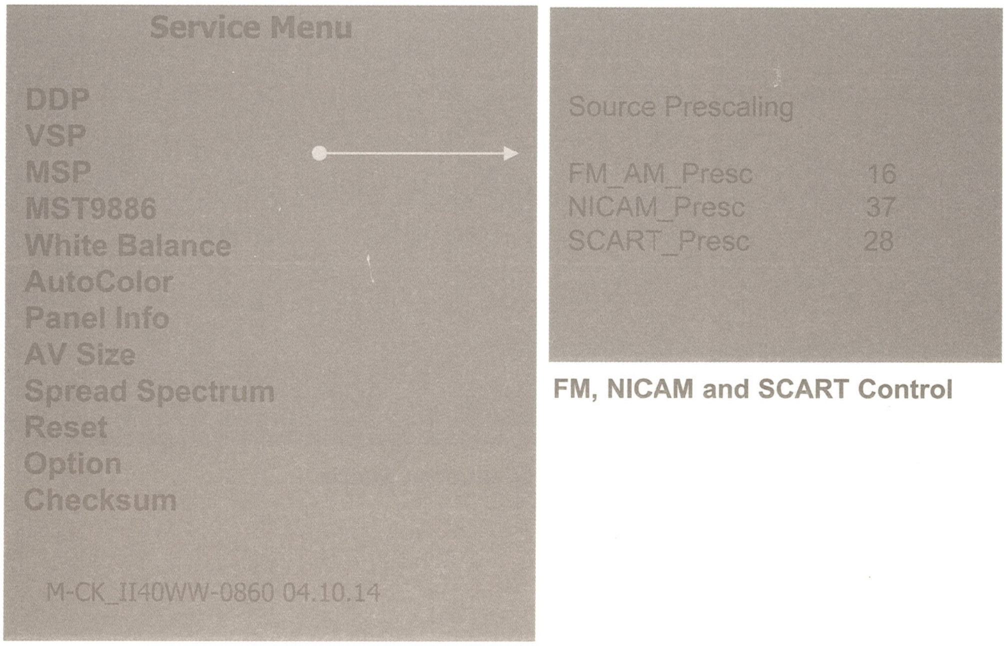
Brightness	-15
Contrast	50
Cb Saturation	40
Cr Saturation	40
Tint	0
Ckill	204
Ckills	40
YC del	0

YCrCb Control

Adjust contrast,brightness,color saturation, and tint of RGB

- 0 ≤ contrast ≤ 63/32 (CONADJ)
- -128 ≤ brightness ≤ 127 (BRTADJ)
- 0 ≤ saturation Cr ≤ 63/32 (VSATADJ)
- 0 ≤ saturation Cb ≤ 63/32 (USATADJ)
- -45° ≤ tint ≤ +45° (TINT)

- MSP(Multistandard Sound Processor)part



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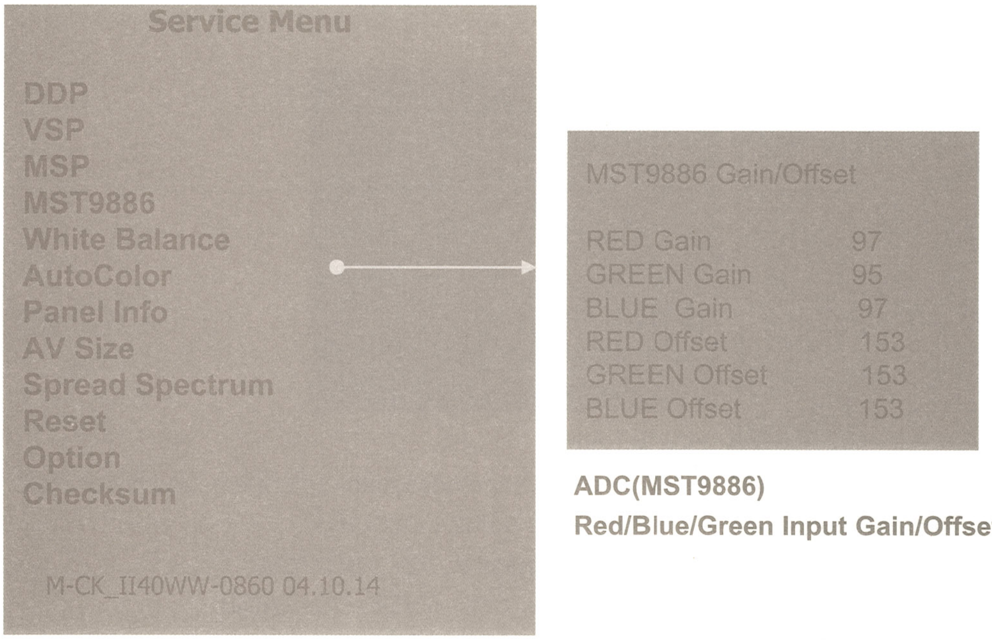
Source Prescaling

FM_AM_Presc	16
NICAM_Presc	37
SCART_Presc	28

FM, NICAM and SCART Control

- MST9886 part



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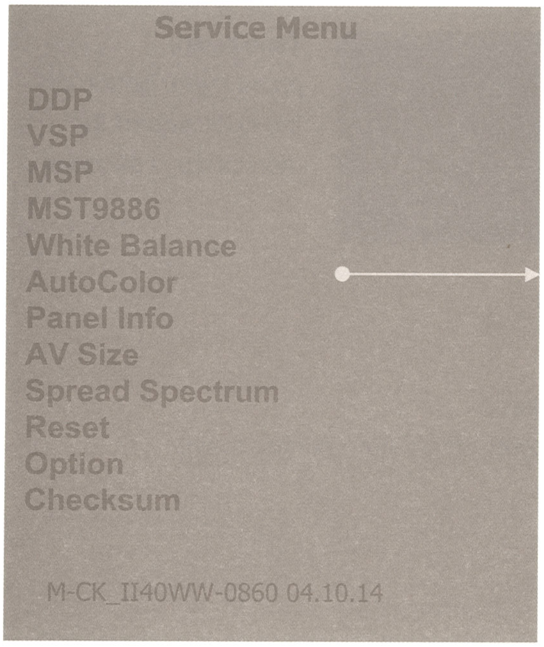
MST9886 Gain/Offset

RED Gain	97
GREEN Gain	95
BLUE Gain	97
RED Offset	153
GREEN Offset	153
BLUE Offset	153

ADC(MST9886)
Red/Blue/Green Input Gain/Offset adjustment

Used for color control. But excessive setting may saturate the color.
(Extreme caution needed.!!)

• White Balance part



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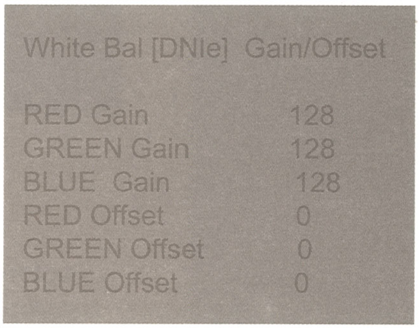


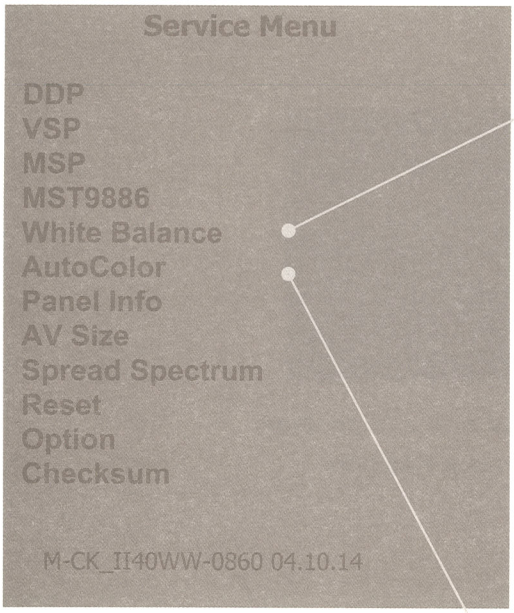
White Bal [DNIe] Gain/Offset

RED Gain	128
GREEN Gain	128
BLUE Gain	128
RED Offset	0
GREEN Offset	0
BLUE Offset	0

White Balance (DNIe)
Adjust the RED / BLUE / GREEN gain/offset

Use for the adjustment of color tones. However, excessive manipulation can cause color saturation.(Very Important)

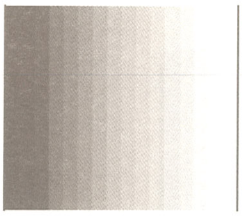
• AUTO Color



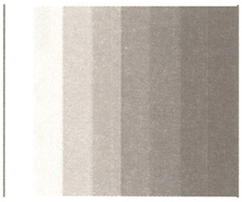
Service Menu

DDP
VSP
MSP
MST9886
White Balance
AutoColor
Panel Info
AV Size
Spread Spectrum
Reset
Option
Checksum

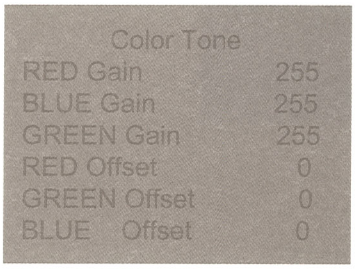
M-CK_II40WW-0860 04.10.14



PC analog Only (1024x768@60 16gray pattern)
Color control operates normally only in certain modes of certain patterns, but in other cases, the operation may distort color. Also, color control is not normal when controlling color in a mode other than XGA 60Hz.
(Extreme caution needed.!!)



Component(720p Color Bar pattern)
Color control operates normally only in certain modes of certain patterns, but in other cases, the operation may distort color. **(Extreme caution needed.!!)**

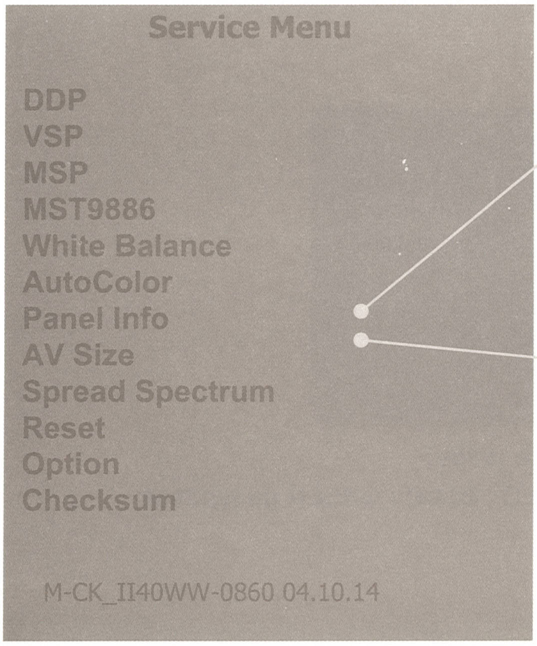


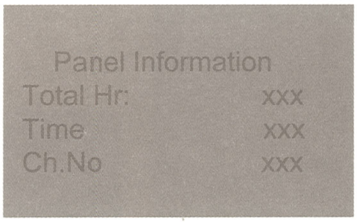
Color Tone

RED Gain	255
BLUE Gain	255
GREEN Gain	255
RED Offset	0
GREEN Offset	0
BLUE Offset	0

Use for the adjustment of color tones for the color-control-part PC and components provided by gm1501.

• Panel Info / Reset / Auto Adj.


Service Menu
DDP
VSP
MSP
MST9886
White Balance
AutoColor
Panel Info
AV Size
Spread Spectrum
Reset
Option
Checksum
M-CK_II40WW-0860 04.10.14


Panel Information

Total Hr: xxx

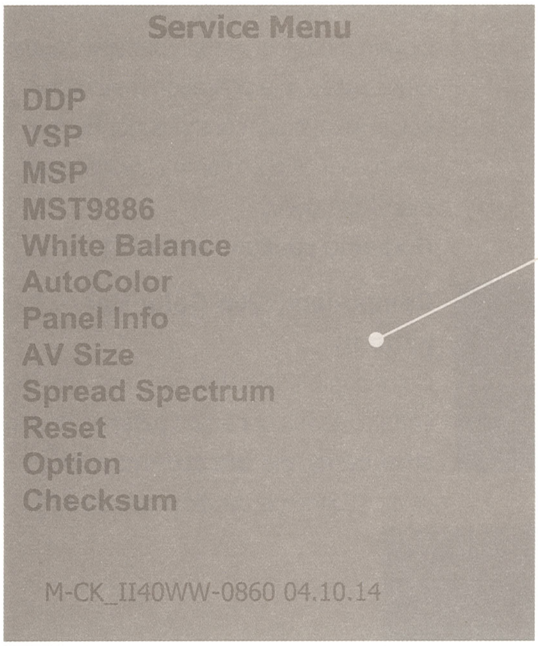
Time xxx

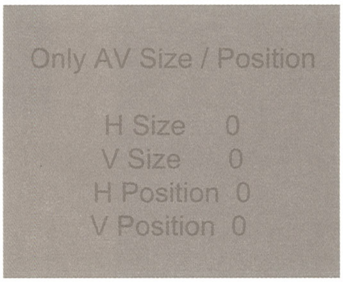
Ch.No xxx

Time reset:
press menu button on the front side of the monitor for 5 seconds

Factory reset
(Switch power off/on after monitor reset)

• Option/Checksum


Service Menu
DDP
VSP
MSP
MST9886
White Balance
AutoColor
Panel Info
AV Size
Spread Spectrum
Reset
Option
Checksum
M-CK_II40WW-0860 04.10.14


Only AV Size / Position

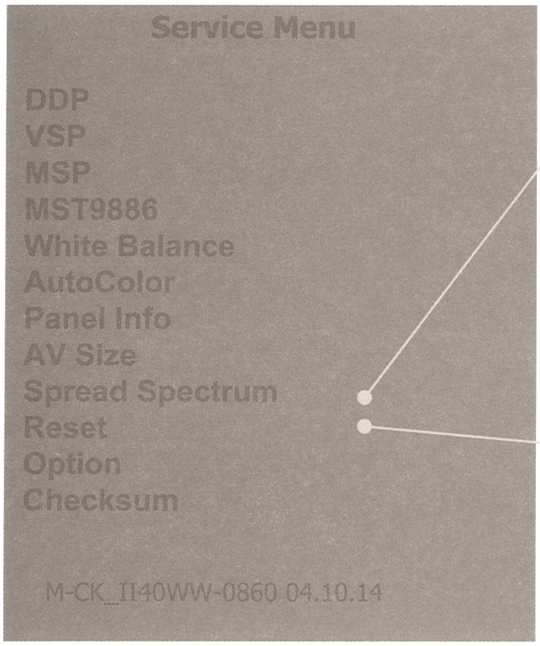
H Size 0

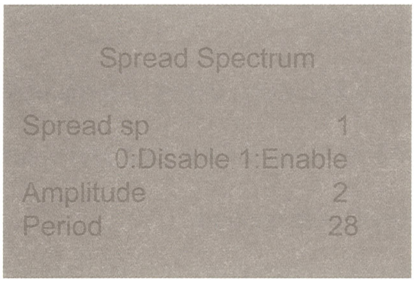
V Size 0

H Position 0

V Position 0

Adjust AV size and position.
H,V size / H,V Position


Service Menu
DDP
VSP
MSP
MST9886
White Balance
AutoColor
Panel Info
AV Size
Spread Spectrum
Reset
Option
Checksum
M-CK_II40WW-0860 04.10.14

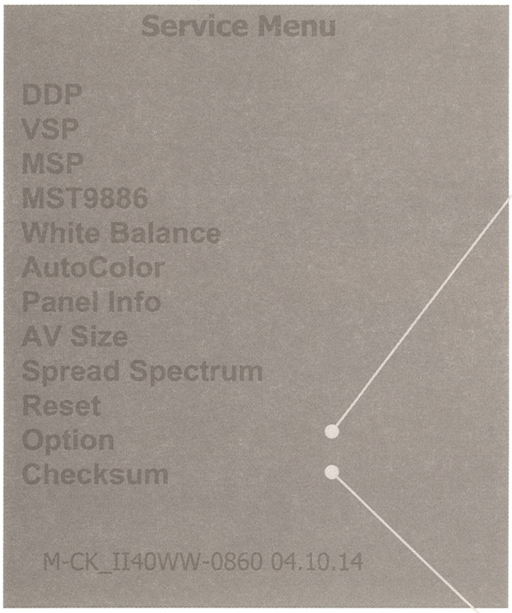

Spread Spectrum

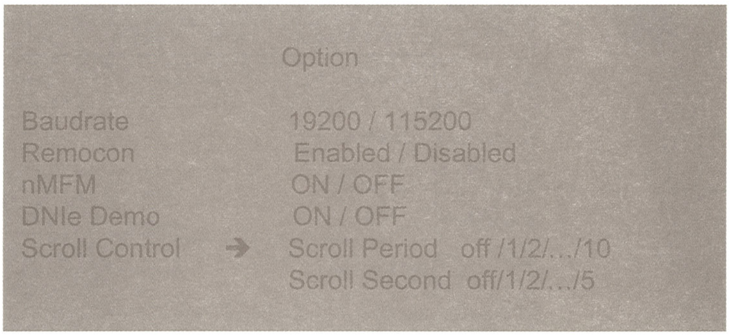
Spread sp	1
0:Disable 1:Enable	
Amplitude	2
Period	28

Spread Spectrum control

-Setting Spread spectrum application status, Amplitude, Period

Factory Reset


Service Menu
DDP
VSP
MSP
MST9886
White Balance
AutoColor
Panel Info
AV Size
Spread Spectrum
Reset
Option
Checksum
M-CK_II40WW-0860 04.10.14


Option

Baudrate	19200 / 115200
Remocon	Enabled / Disabled
nMFM	ON / OFF
DNIe Demo	ON / OFF
Scroll Control ➔	Scroll Period off /1/2/.../10
	Scroll Second off/1/2/.../5

Option control

Baudrate speed set up

Remocon set up,

set up of unset Network part options

DNIe set up

Scroll set up (period, second)

CheckSum indication

3-3 Service Calibration (Fault Recovery In Terms Of Software)

- Error in the Monitor Menu

1) When any software bug occurs, check and document it.

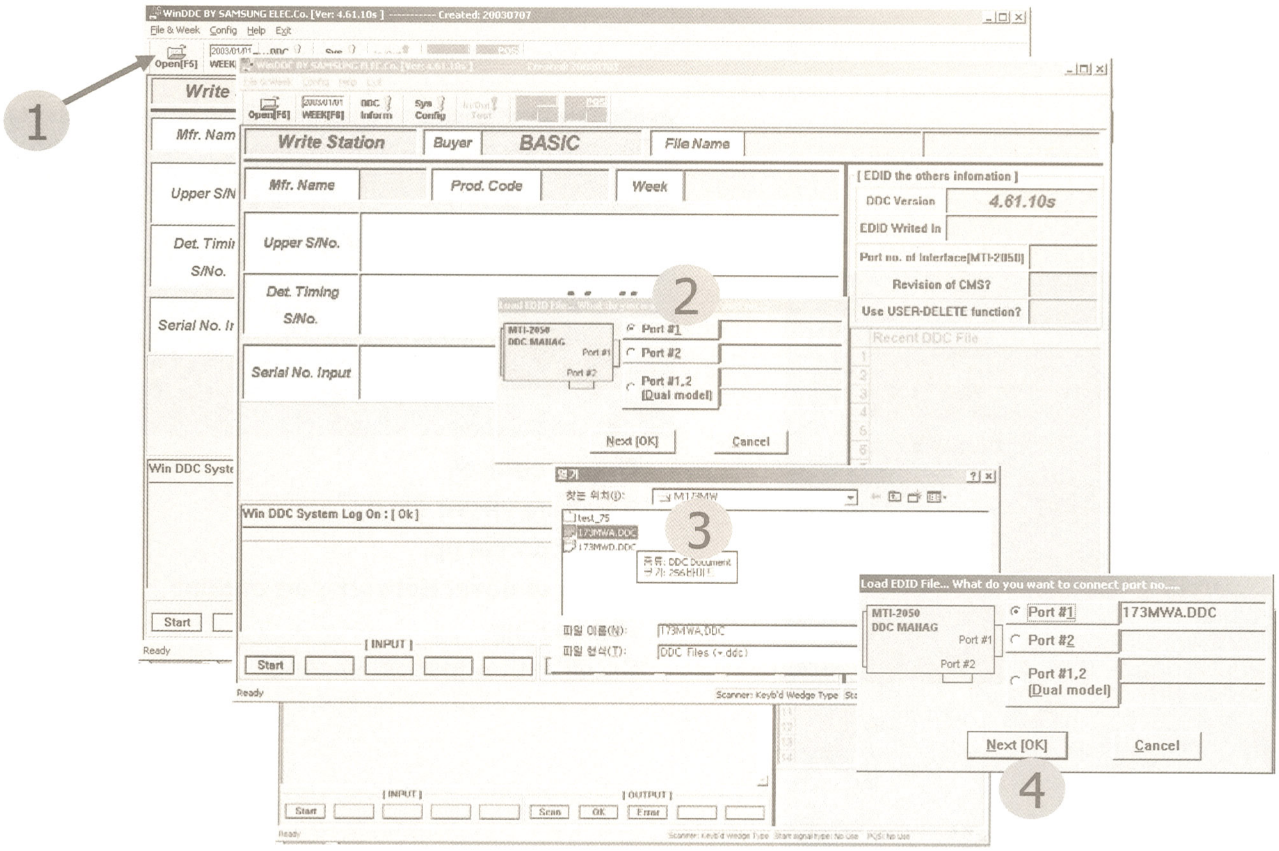
2) Check the Option/Checksum for the date and value.

3) Perform the Factory Reset process.

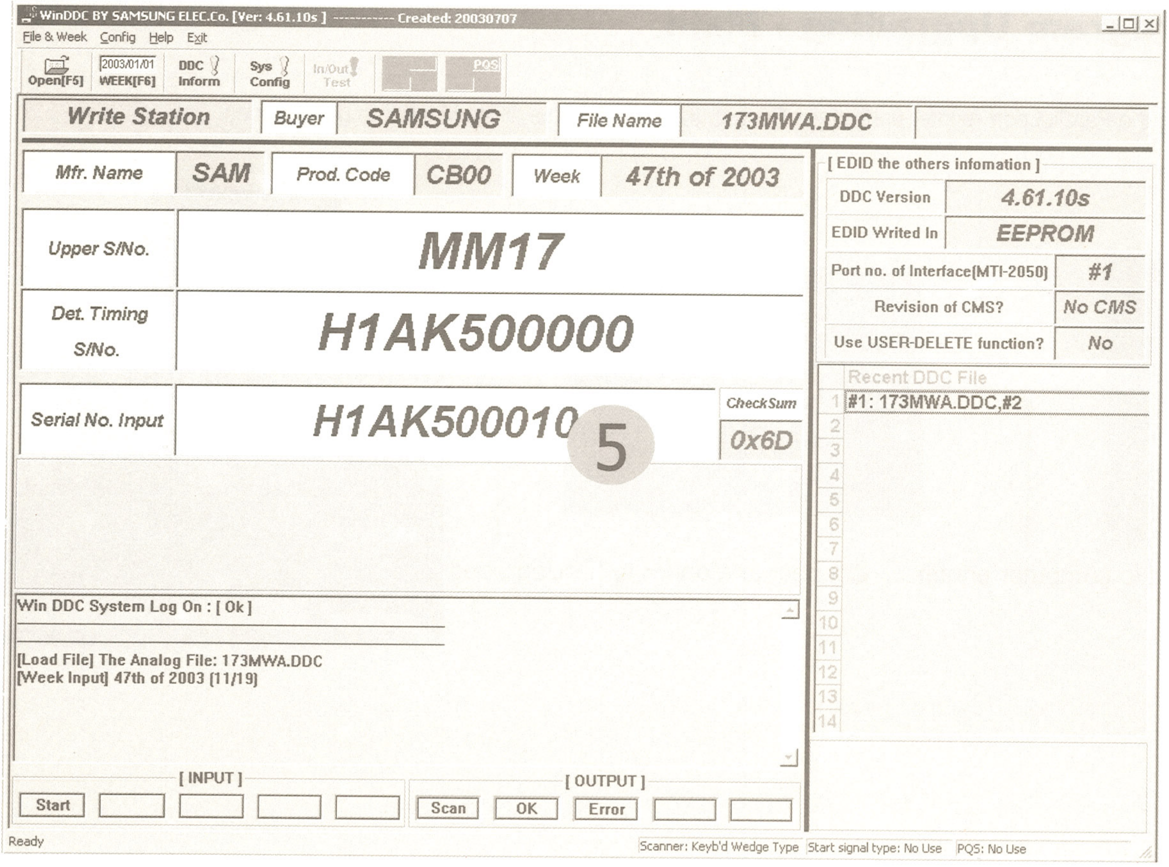
4) Turn off the power and recheck it.

5) Use the download program to download the code again.

3-4 How to execute DDC


1
WinDDC BY SAMSUNG ELEC.Co. [Ver: 4.61.10s] ---------- Created: 20030707
File & Week
Config
Help
Exit
Open[F5]
WEEK[F6]
DDC Inform
Sys Config
Write Station
Buyer
BASIC
File Name
Mfr. Name
Prod. Code
Week
Upper S/No.
Det. Timing S/No.
Serial No. Input
[EDID the others infomation]
DDC Version
4.61.10s
EDID Writed In
Port no. of Interface[MTI-2050]
Revision of CMS?
Use USER-DELETE function?
Recent DDC File
Win DDC System Log On : [Ok]
2
Load EDID File... What do you want to connect port no....
MTI-2050
DDC MAHAG
Port #1
Port #2
● Port #1
○ Port #2
○ Port #1,2 (Dual model)
Next [OK]
Cancel
3
열기
찾는 위치(I):
M173MW
test_75
173MWA.DDC
173MWD.DDC
종류: DDC Document
크기: 256바이트
파일 이름(N):
173MWA.DDC
파일 형식(T):
DDC Files (*.ddc)
173MWA.DDC
4
[INPUT]
[OUTPUT]
Start
Scan
OK
Error
Ready

1: Open file
2: Select port 1(D-SUB) / select port 2(DVI)
3: Select DDC file
4: Click Next(OK) button


WinDDC BY SAMSUNG ELEC.Co. [Ver: 4.61.10s] ----------- Created: 20030707
File & Week
Config
Help
Exit
Open[F5]
2003/01/01
WEEK[F6]
DDC Inform
Sys Config
In/Out Test
PQS
[INPUT]
Start
[OUTPUT]
Scan
OK
Error
5

Write Station

Buyer: SAMSUNG

File Name: 173MWA.DDC

Mfr. Name: SAM

Prod. Code: CB00

Week: 47th of 2003

Upper S/No.: MM17

Det. Timing S/No.: H1AK500000

Serial No. Input: H1AK500010

CheckSum: 0x6D

[EDID the others infomation]

DDC Version	4.61.10s
EDID Writed In	EEPROM
Port no. of Interface(MTI-2050)	#1
Revision of CMS?	No CMS
Use USER-DELETE function?	No

Recent DDC File

1 #1: 173MWA.DDC,#2

```
Win DDC System Log On : [ Ok ]

[Load File] The Analog File: 173MWA.DDC
[Week Input] 47th of 2003 [11/19]
```

Ready

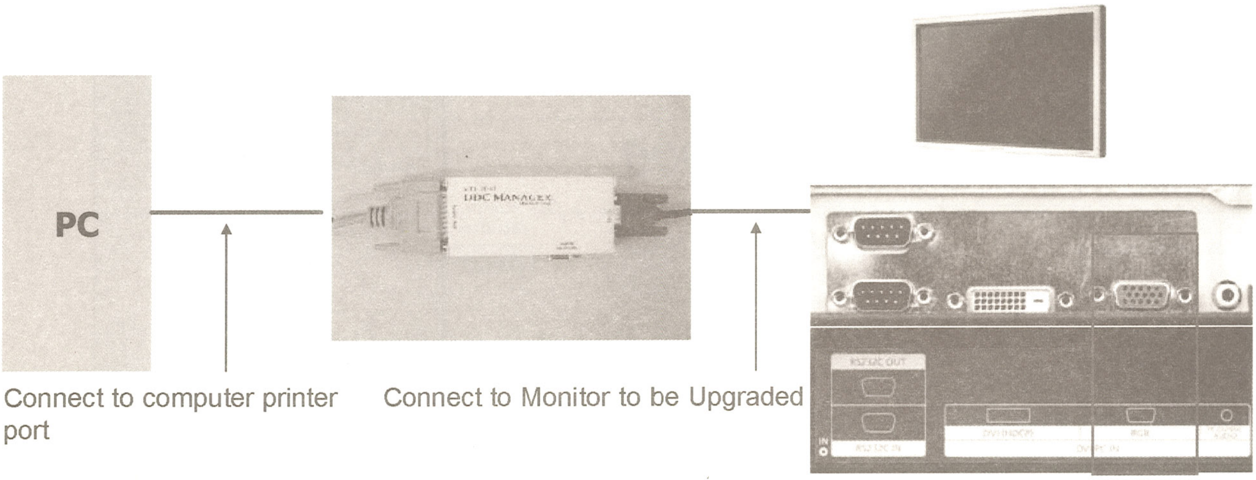
Scanner: Keyb'd Wedge Type | Start signal type: No Use | PQS: No Use

5. Press Enter after entering the serial number of the monitor

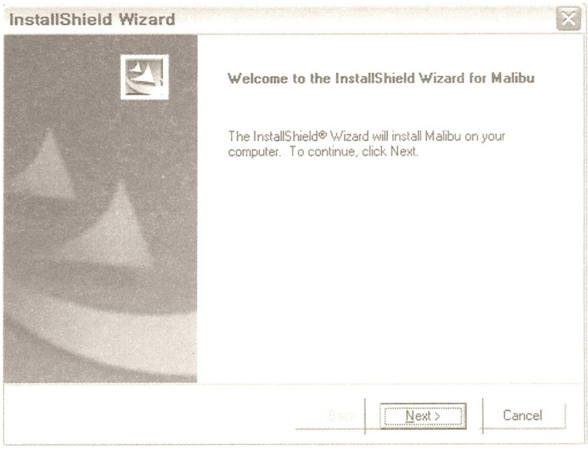
After Analog input, repeat 2~5 times for Digital input

3-5 Program Upgrading - Main

Connecting the Parallel port (printer port) of the PC with the D-SUB cable of the Monitor to be upgraded

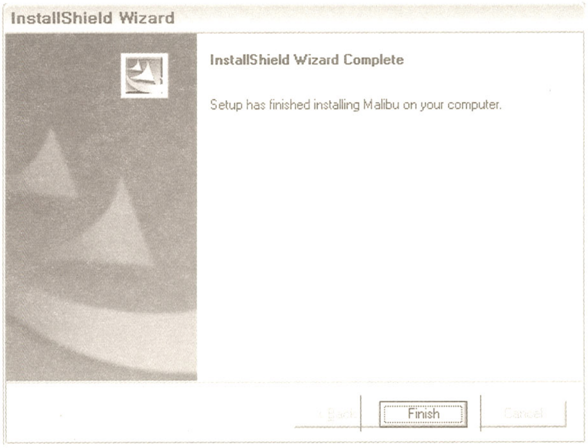

PC
DDC MANAGER
Connect to computer printer port
Connect to Monitor to be Upgraded
RS232C OUT
RS232C IN
DVI (HDCP)
RGB
IN

After running the Exe. File and pressing“ OK”, press“ Next” to Install, and installation is complete (see attachment)


InstallShield Wizard
Back
Next >
Cancel

Welcome to the InstallShield Wizard for Malibu

The InstallShield® Wizard will install Malibu on your computer. To continue, click Next.

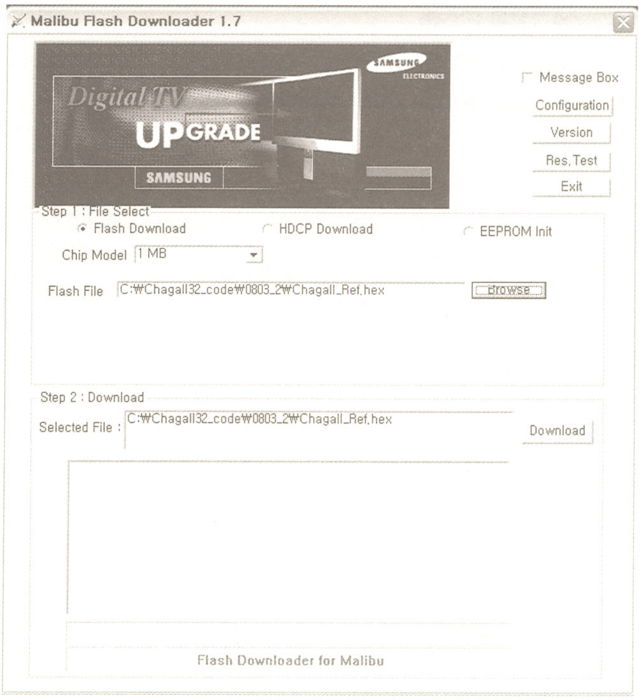

InstallShield Wizard
Back
Finish
Cancel

InstallShield Wizard Complete

Setup has finished installing Malibu on your computer.

- This can be operated regardless of the Windows OS system.
- Once installation using the attached Setup.exe is completed,

  an icon appears on the desktop.
- Double click this icon to run the program.


Malibu Flash Downloader 1.7
Digital TV
UPGRADE
SAMSUNG
SAMSUNG ELECTRONICS
☐ Message Box
Configuration
Version
Res.Test
Exit
Browse
Download
Flash Downloader for Malibu

Step 1 : File Select

● Flash Download ○ HDCP Download ○ EEPROM Init

Chip Model: 1 MB

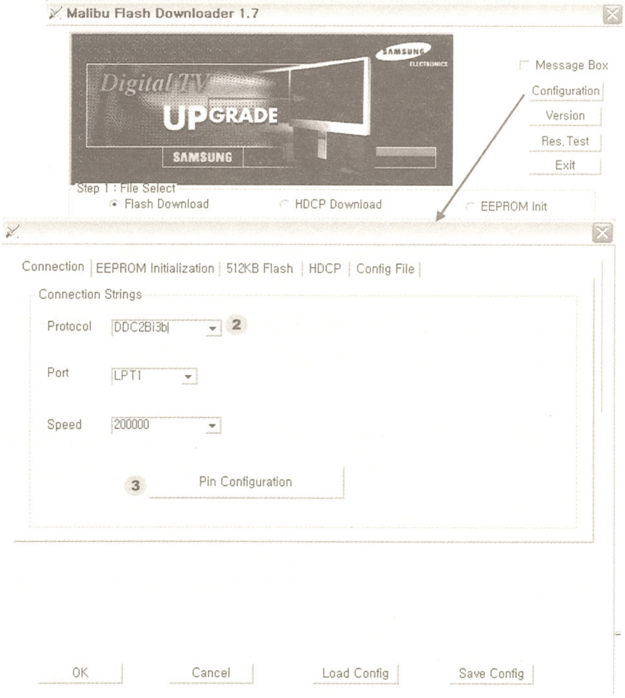
Flash File: C:₩Chagall32_code₩0803_2₩Chagall_Ref.hex

Step 2 : Download

Selected File : C:₩Chagall32_code₩0803_2₩Chagall_Ref.hex

1. In the File Select menu, Flash Download

- Set up as shown in picture
  Chip Model: 1MB should be set up first


Malibu Flash Downloader 1.7
Digital TV
UPGRADE
SAMSUNG
SAMSUNG ELECTRONICS
☐ Message Box
Configuration
Version
Res.Test
Exit
Connection
EEPROM Initialization
512KB Flash
HDCP
Config File
Connection Strings
2
3
Pin Configuration
OK
Cancel
Load Config
Save Config

Step 1 : File Select

● Flash Download ○ HDCP Download ○ EEPROM Init

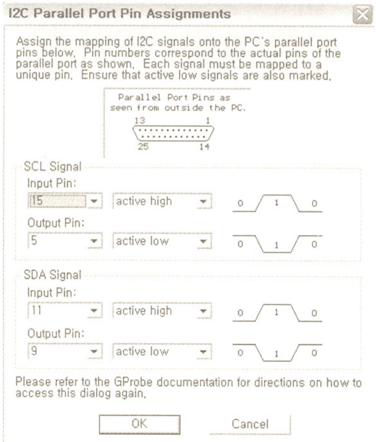
Protocol: DDC2Bi3b

Port: LPT1

Speed: 200000

2. After installing the program,
Pin Connection

- Set up as shown in picture
  DDC2Bi3b
  LPT1
  200000


I2C Parallel Port Pin Assignments
Parallel Port Pins as seen from outside the PC.
13
1
25
14
0
1
0
OK
Cancel

Assign the mapping of I2C signals onto the PC's parallel port pins below. Pin numbers correspond to the actual pins of the parallel port as shown. Each signal must be mapped to a unique pin. Ensure that active low signals are also marked.

SCL Signal

Input Pin: 15, active high

Output Pin: 5, active low

SDA Signal

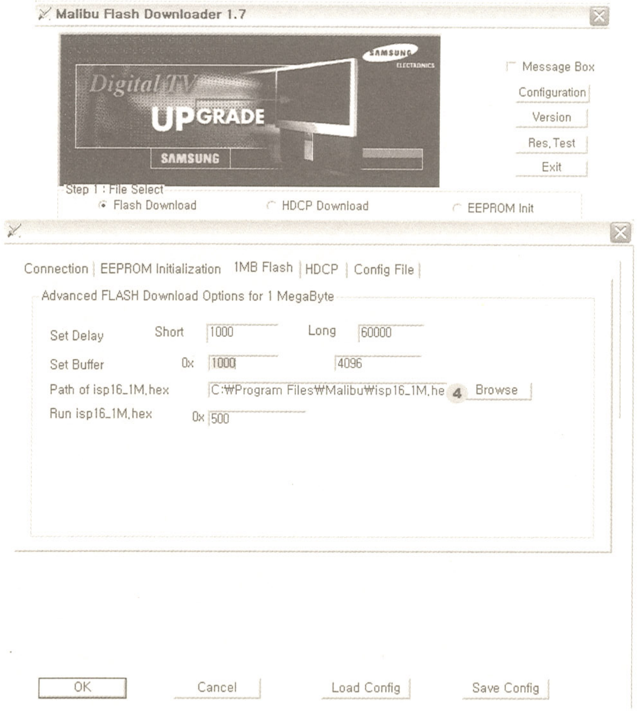
Input Pin: 11, active high

Output Pin: 9, active low

Please refer to the GProbe documentation for directions on how to access this dialog again.

3. After installing the program,
Pin Configuration

- Set up as shown in picture

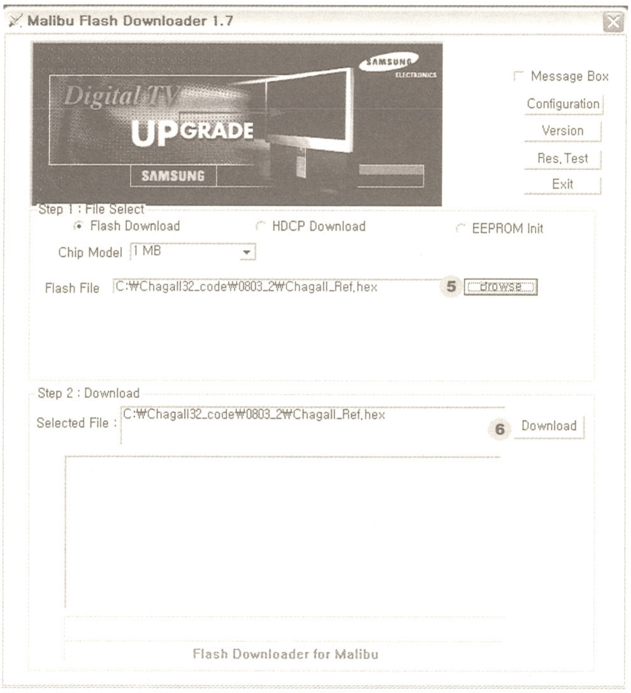

Malibu Flash Downloader 1.7
Digital TV
UPGRADE
SAMSUNG
SAMSUNG ELECTRONICS
☐ Message Box
Configuration
Version
Res. Test
Exit
Step 1 : File Select
● Flash Download
○ HDCP Download
○ EEPROM Init
Connection
EEPROM Initialization
1MB Flash
HDCP
Config File
Advanced FLASH Download Options for 1 MegaByte
4
Browse
OK
Cancel
Load Config
Save Config

Set Delay Short 1000 Long 60000
Set Buffer 0x 1000 4096
Path of isp16_1M.hex C:₩Program Files₩Malibu₩isp16_1M.he
Run isp16_1M.hex 0x 500

4.1MB Flash

Isp16_1M . Hex

-Setting is done automatically


Malibu Flash Downloader 1.7
Digital TV
UPGRADE
SAMSUNG
SAMSUNG ELECTRONICS
☐ Message Box
Configuration
Version
Res. Test
Exit
Step 1 : File Select
● Flash Download
○ HDCP Download
○ EEPROM Init
5
Browse
Step 2 : Download
6
Download
Flash Downloader for Malibu

Chip Model 1 MB
Flash File C:₩Chagall32_code₩0803_2₩Chagall_Ref.hex
Selected File : C:₩Chagall32_code₩0803_2₩Chagall_Ref.hex

5. In Browse, select the file to be downloaded.

6. Press 5 to Download

- When an error occur in the download

Check if the baud rate of the Option item in factory mode is set to 1152000.

Check that the Beethoven D-SUB cable is properly connected to the DDC Manager and the parallel port of the computer.

When the parallel port does not work, use the serial port, instead.
: Change DDC2Bi3b to Serial
: Change 200000 to 115200

- If Download is completed without errors,
and download success message comes up

Turn Board power off/on

In Factory mode, check the Checksum and date to see if the code is correct for downloading.

3-6 What To Do after Board Replacement

-Main Board

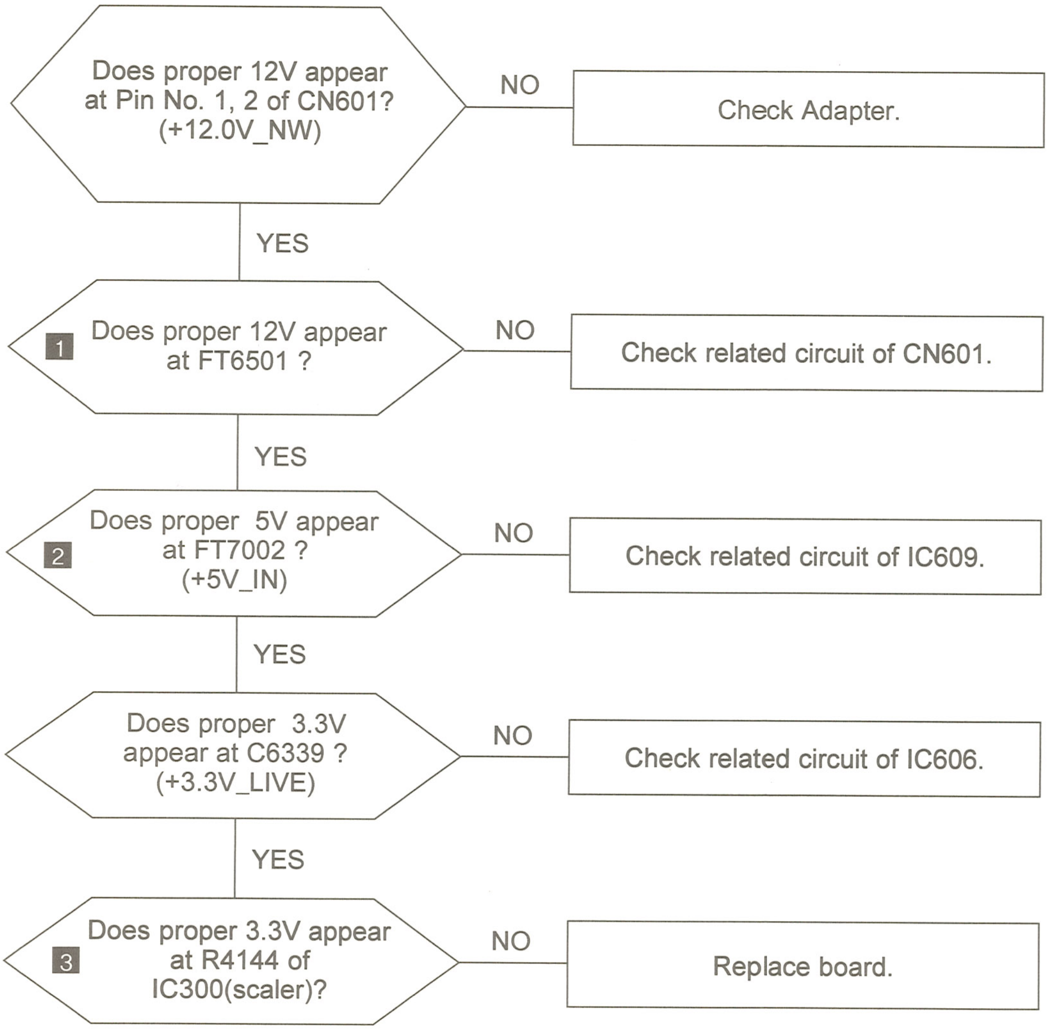
-Check PC color control status
-DDC input (Both Analog and Digital input required)
-After entering service mode and resetting, turn Hard power off

Memo

4 Troubleshooting

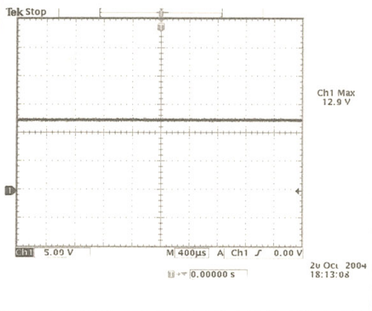
4-1 Checkpoints by Error Mode

4-1-1 No Power

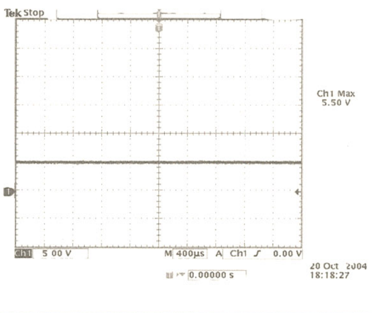

Does proper 12V appear at Pin No. 1, 2 of CN601? (+12.0V_NW)
NO
Check Adapter.
YES
1
Does proper 12V appear at FT6501 ?
NO
Check related circuit of CN601.
YES
Does proper 5V appear at FT7002 ? (+5V_IN)
2
NO
Check related circuit of IC609.
YES
Does proper 3.3V appear at C6339 ? (+3.3V_LIVE)
NO
Check related circuit of IC606.
YES
Does proper 3.3V appear at R4144 of IC300(scaler)?
3
NO
Replace board.

WAVEFORMS

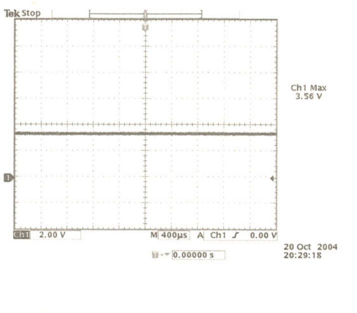
1

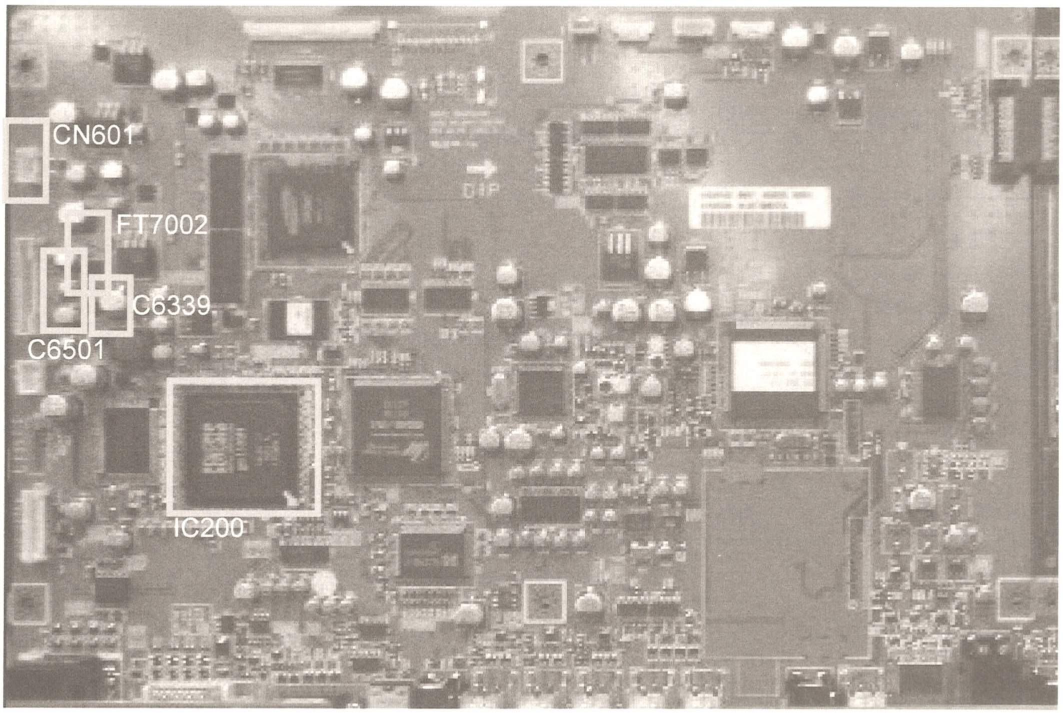


2

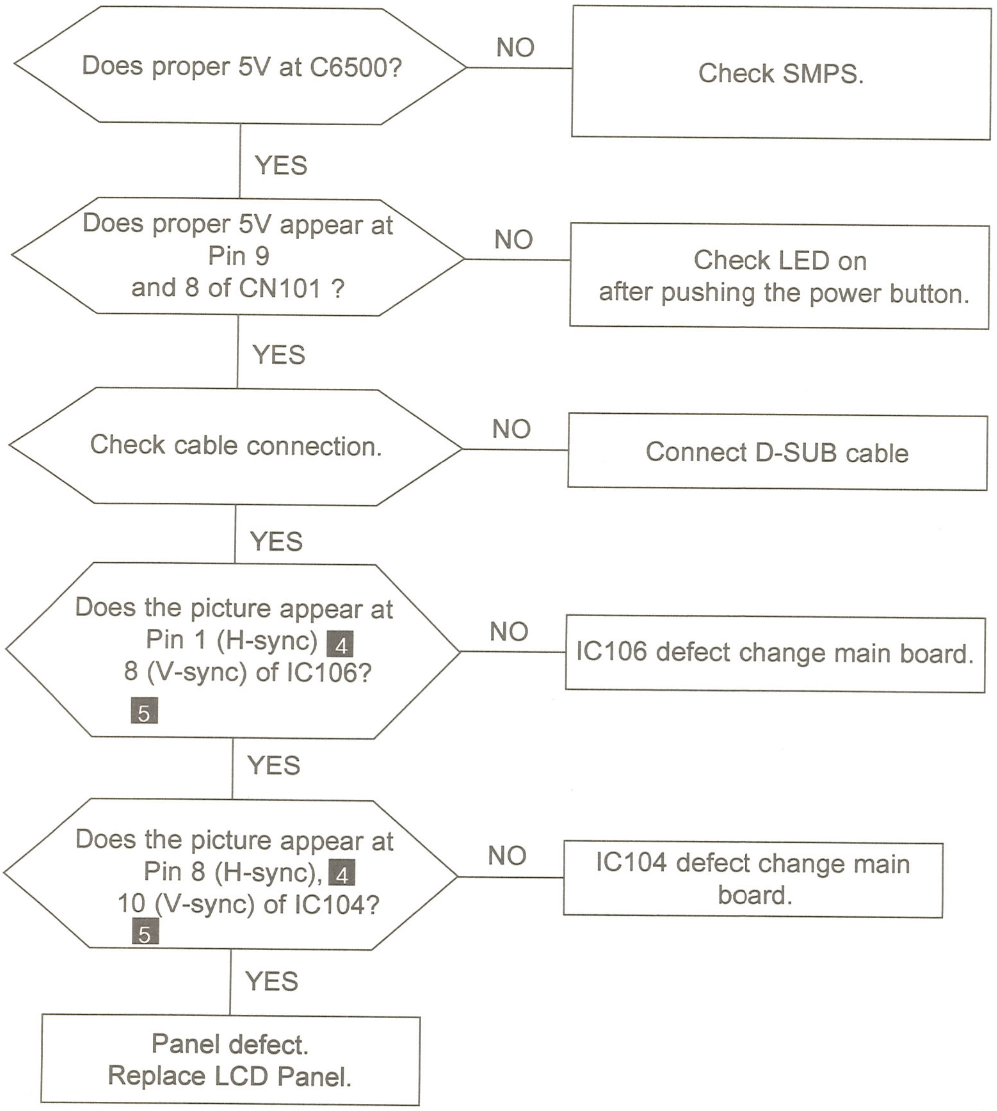


3



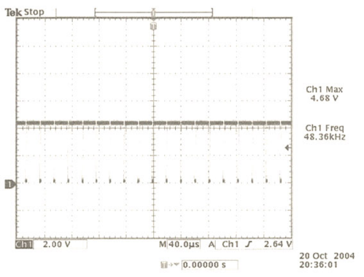

CN601
FT7002
C6339
C6501
IC200

4-1-2 PC (D-SUB) No Screen

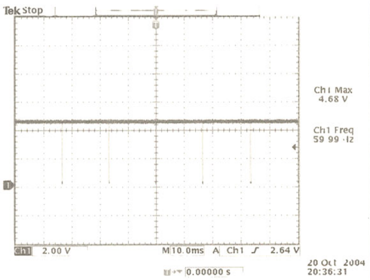

Does proper 5V at C6500?
NO
Check SMPS.
YES
Does proper 5V appear at Pin 9 and 8 of CN101 ?
NO
Check LED on after pushing the power button.
YES
Check cable connection.
NO
Connect D-SUB cable
YES
Does the picture appear at Pin 1 (H-sync) 4 8 (V-sync) of IC106? 5
NO
IC106 defect change main board.
YES
Does the picture appear at Pin 8 (H-sync), 4 10 (V-sync) of IC104? 5
NO
IC104 defect change main board.
YES
Panel defect. Replace LCD Panel.

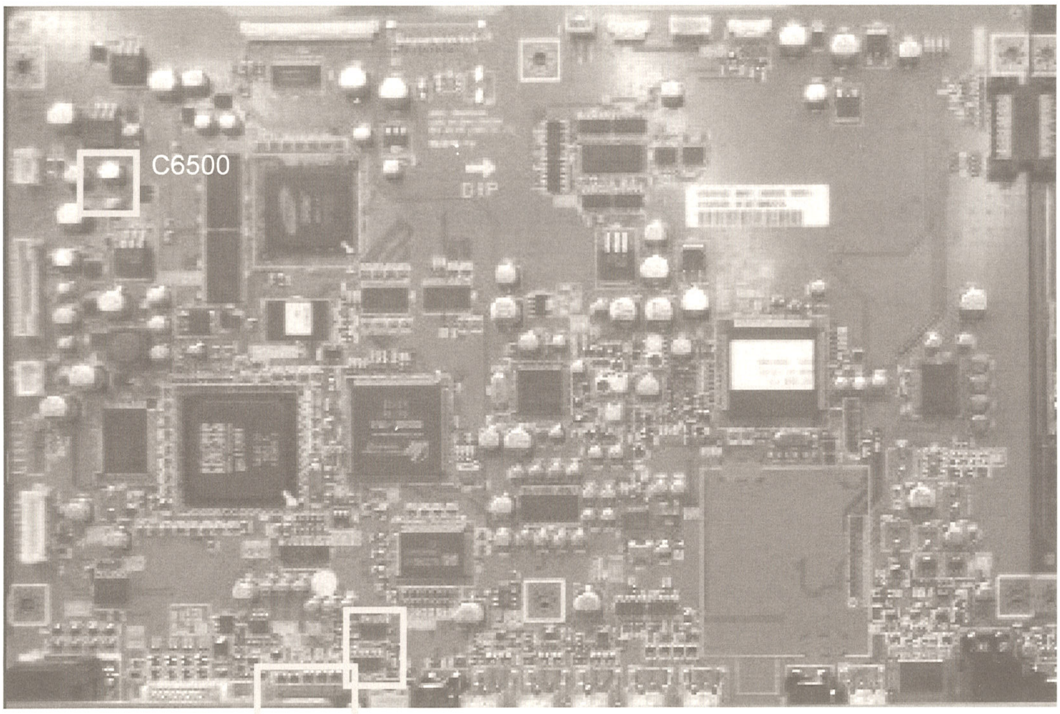
WAVEFORMS

4

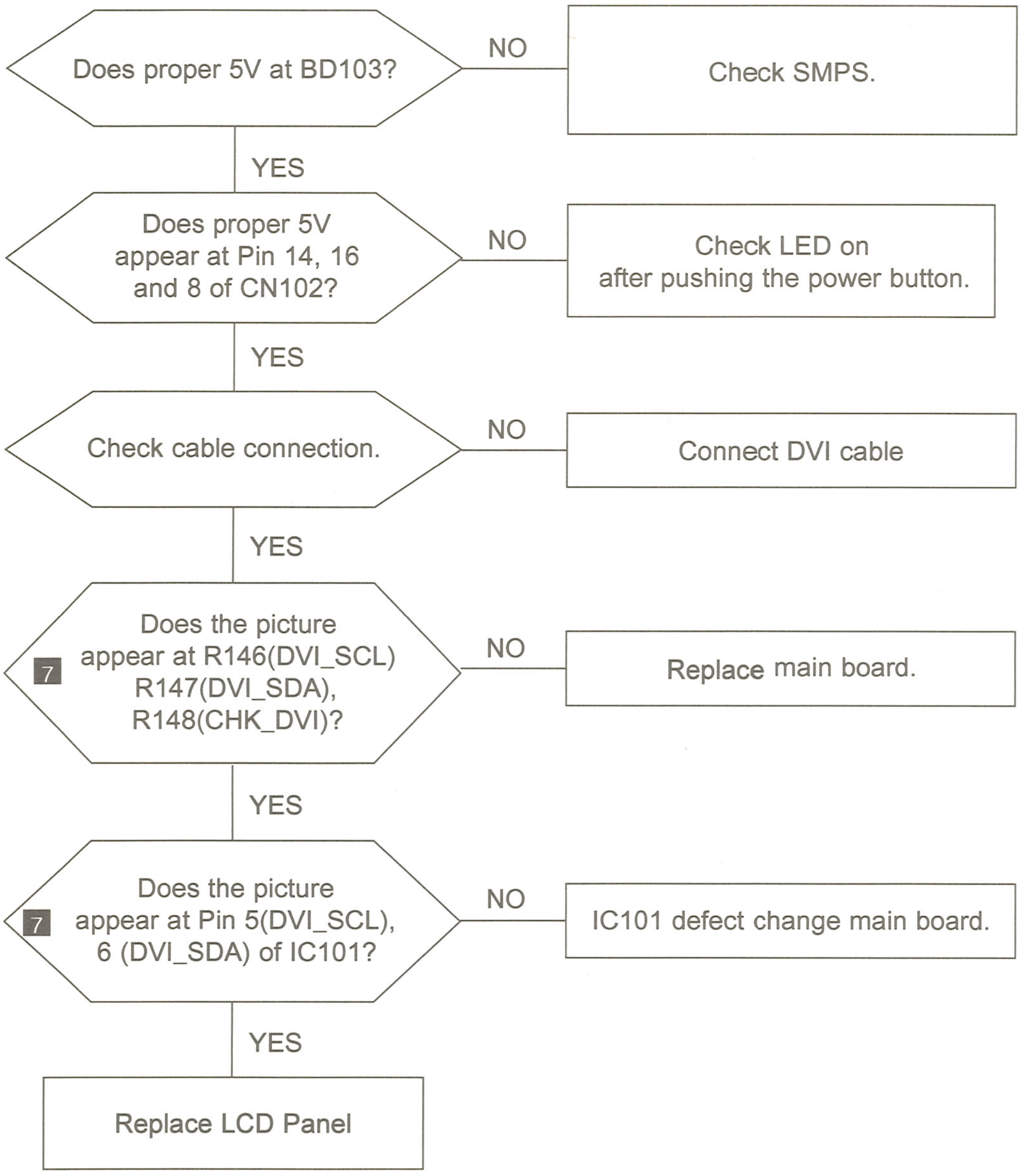


5



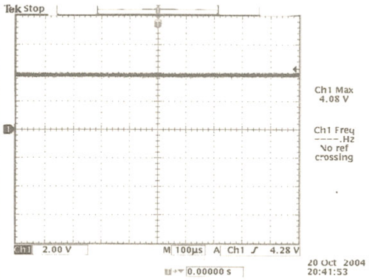


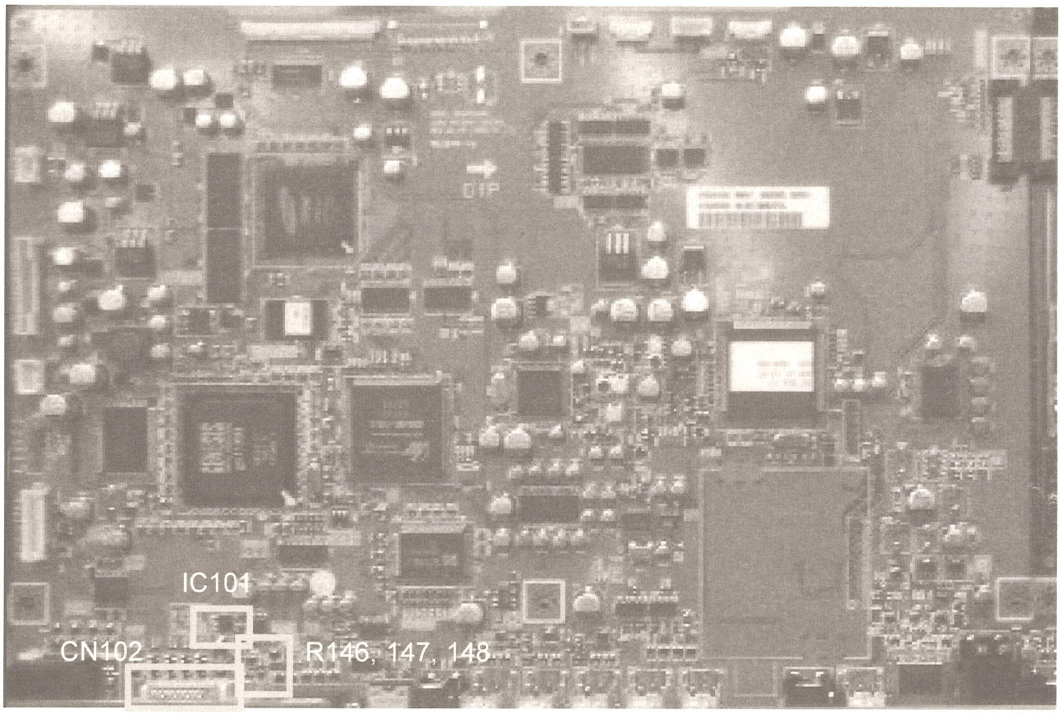
4-1-3 PC (Digital) No Screen


Does proper 5V at BD103?
NO
Check SMPS.
YES
Does proper 5V appear at Pin 14, 16 and 8 of CN102?
NO
Check LED on after pushing the power button.
YES
Check cable connection.
NO
Connect DVI cable
YES
7
Does the picture appear at R146(DVI_SCL) R147(DVI_SDA), R148(CHK_DVI)?
NO
Replace main board.
YES
7
Does the picture appear at Pin 5(DVI_SCL), 6 (DVI_SDA) of IC101?
NO
IC101 defect change main board.
YES
Replace LCD Panel

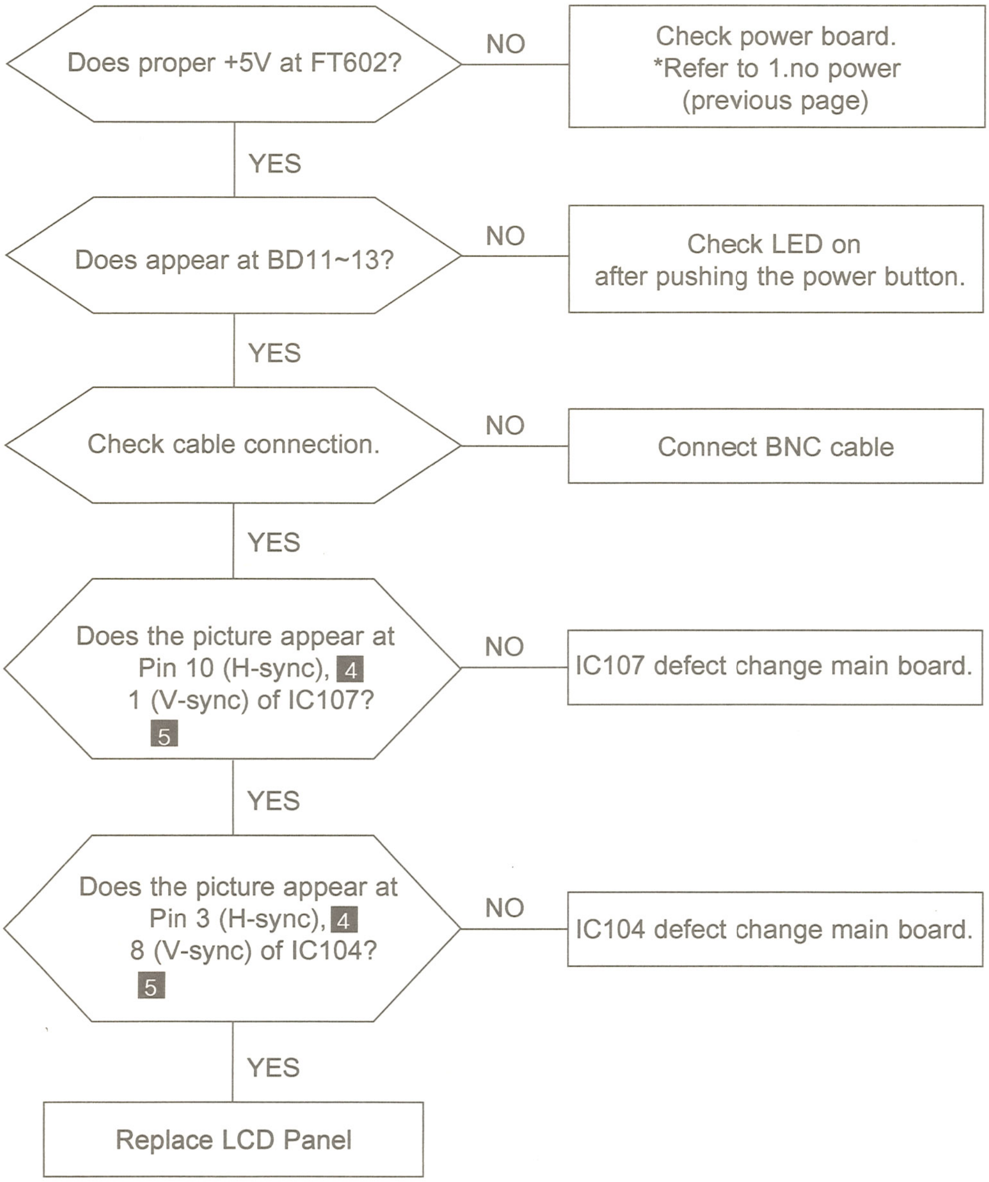
WAVEFORMS

7


Tek Stop
Ch1 Max
4.08 V
Ch1 Freq
----.Hz
No ref
crossing
Ch1 2.00 V
M 100µs A Ch1 ∫ 4.28 V
0.00000 s
20 Oct 2004
20:41:53

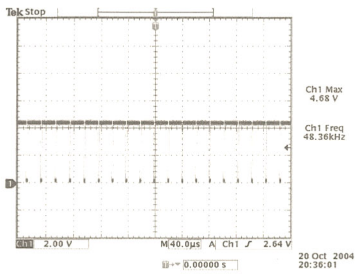

IC101
CN102
R146, 147, 148

4-1-4 BNC No screen

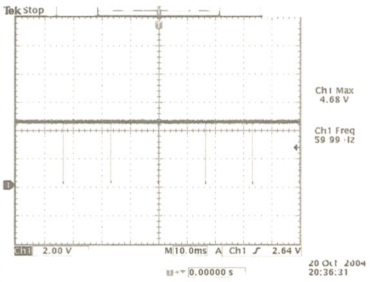

Does proper +5V at FT602?
NO
Check power board.
*Refer to 1.no power
(previous page)
YES
Does appear at BD11~13?
NO
Check LED on
after pushing the power button.
YES
Check cable connection.
NO
Connect BNC cable
YES
Does the picture appear at
Pin 10 (H-sync), 4
1 (V-sync) of IC107?
5
NO
IC107 defect change main board.
YES
Does the picture appear at
Pin 3 (H-sync), 4
8 (V-sync) of IC104?
5
NO
IC104 defect change main board.
YES
Replace LCD Panel

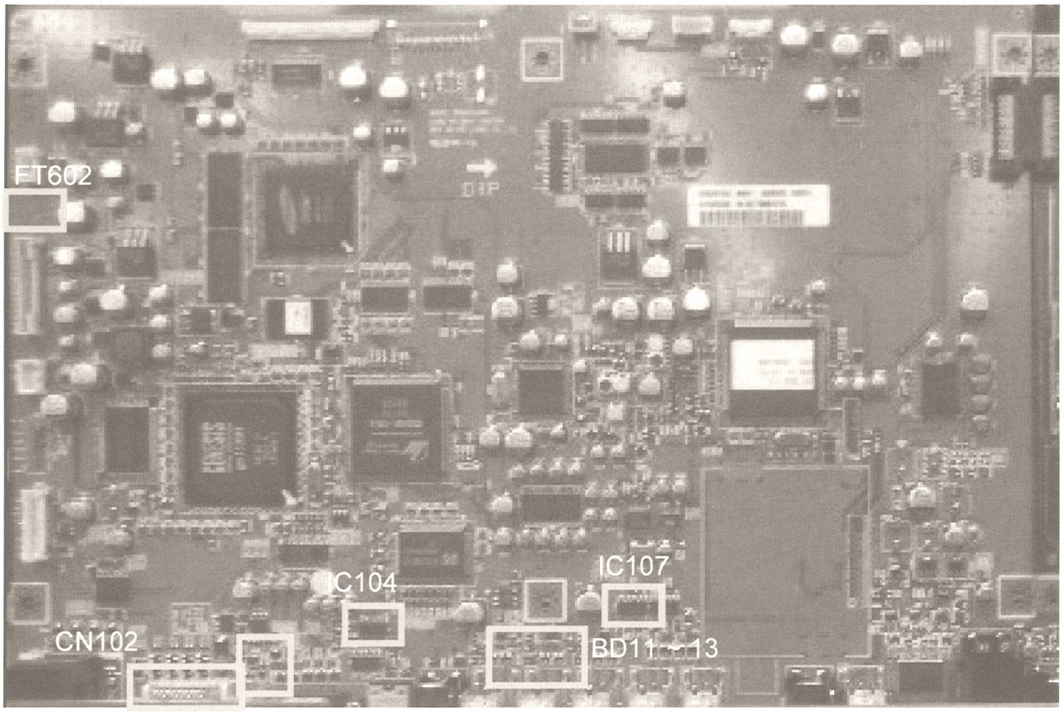
WAVEFORMS

4

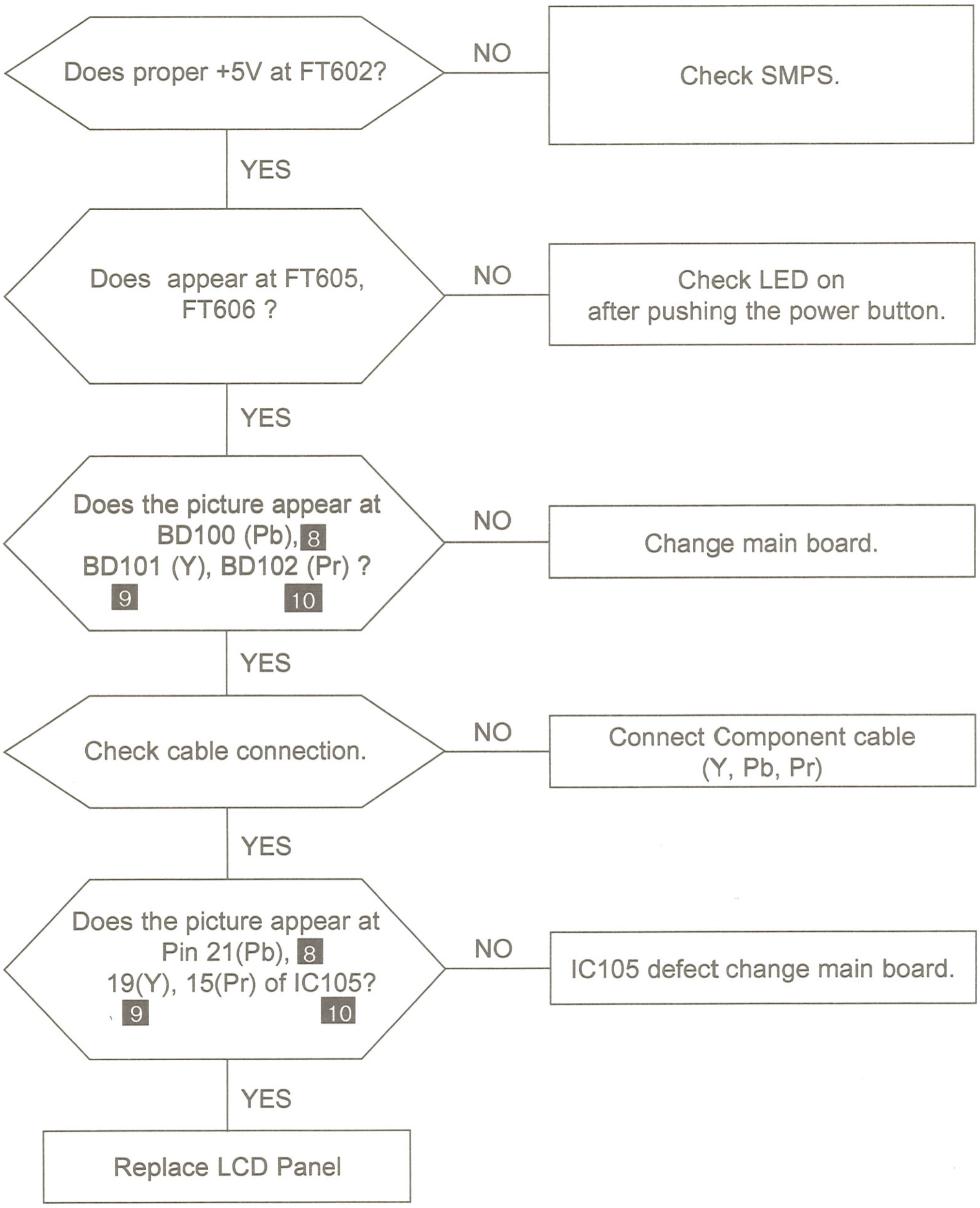


5



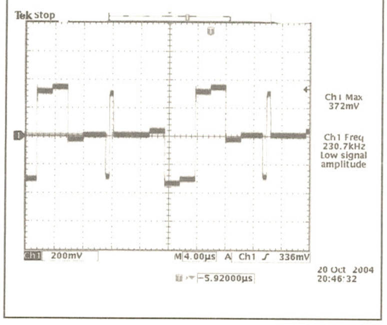

FT602
IC104
IC107
CN102
BD11 ~ 13

4-1-5 Component No screen

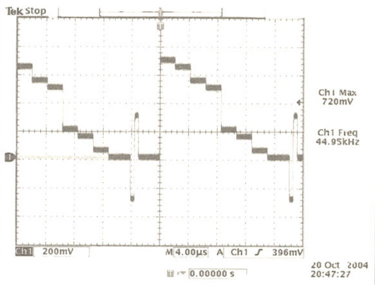

Does proper +5V at FT602?
NO
Check SMPS.
YES
Does appear at FT605, FT606 ?
NO
Check LED on after pushing the power button.
YES
Does the picture appear at BD100 (Pb), 8 BD101 (Y), BD102 (Pr) ? 9 10
NO
Change main board.
YES
Check cable connection.
NO
Connect Component cable (Y, Pb, Pr)
YES
Does the picture appear at Pin 21(Pb), 8 19(Y), 15(Pr) of IC105? 9 10
NO
IC105 defect change main board.
YES
Replace LCD Panel

WAVEFORMS

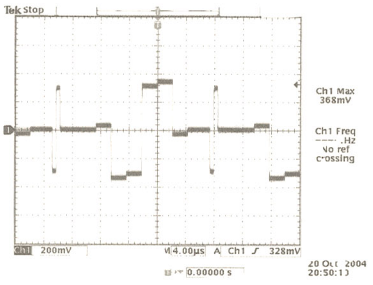
8

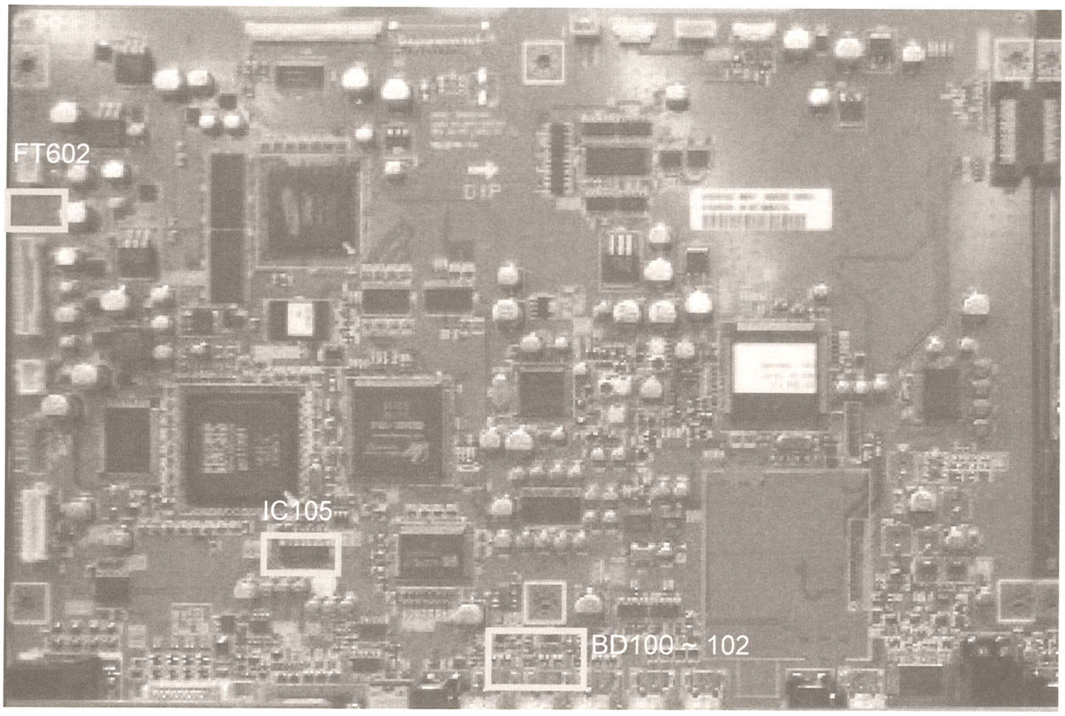


9

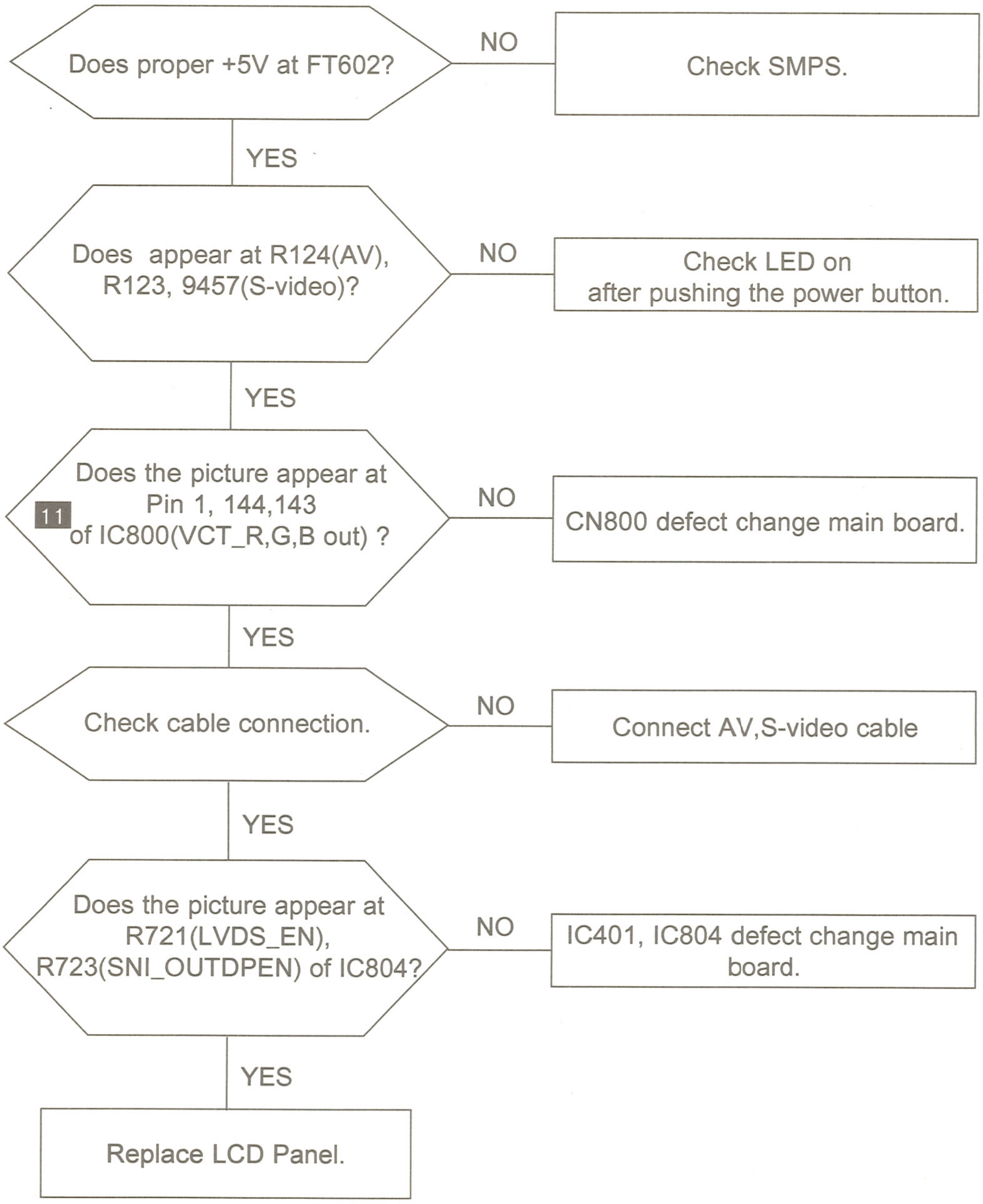


10



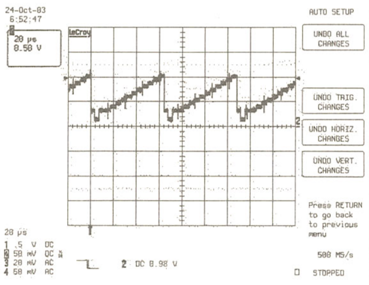

FT602
IC105
BD100 ~ 102

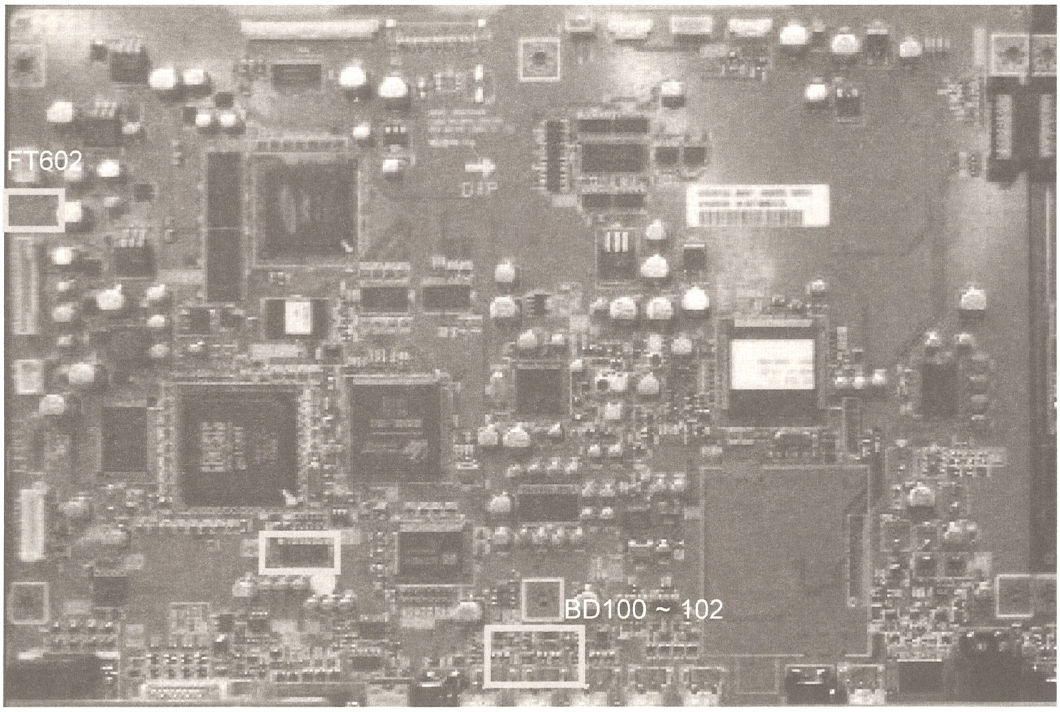
4-1-6 AV, S-video No screen


Does proper +5V at FT602?
NO
Check SMPS.
YES
Does appear at R124(AV), R123, 9457(S-video)?
NO
Check LED on after pushing the power button.
YES
Does the picture appear at Pin 1, 144,143 of IC800(VCT_R,G,B out) ?
11
NO
CN800 defect change main board.
YES
Check cable connection.
NO
Connect AV,S-video cable
YES
Does the picture appear at R721(LVDS_EN), R723(SNI_OUTDPEN) of IC804?
NO
IC401, IC804 defect change main board.
YES
Replace LCD Panel.

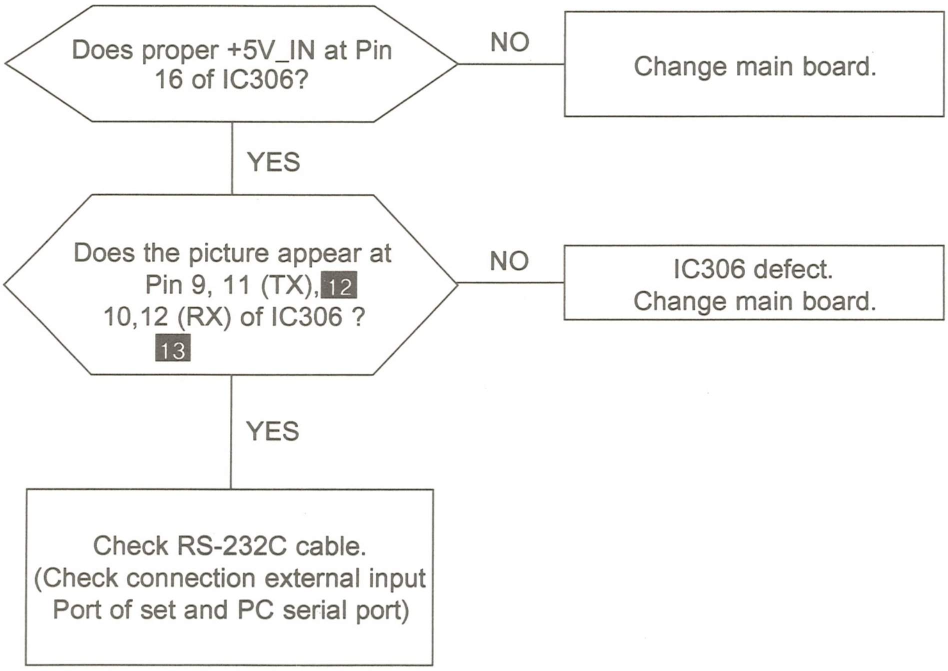
WAVEFORMS

11



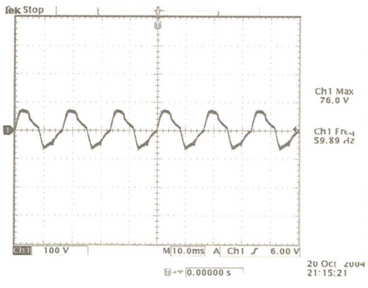

FT602
BD100 ~ 102

4-1-7 No Communication using serial port (RS-232C)

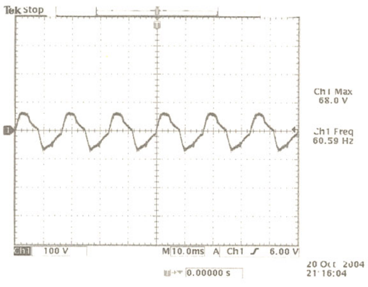

Does proper +5V_IN at Pin 16 of IC306?
NO
Change main board.
YES
Does the picture appear at Pin 9, 11 (TX), 12 10,12 (RX) of IC306 ? 13
NO
IC306 defect. Change main board.
YES
Check RS-232C cable. (Check connection external input Port of set and PC serial port)

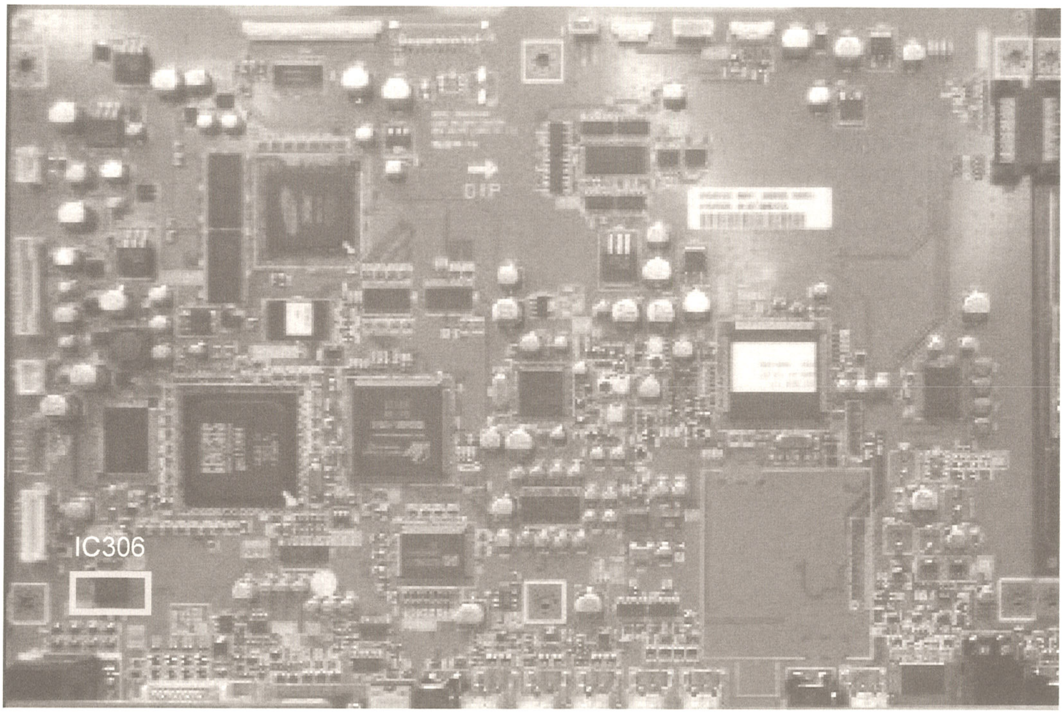
WAVEFORMS

12

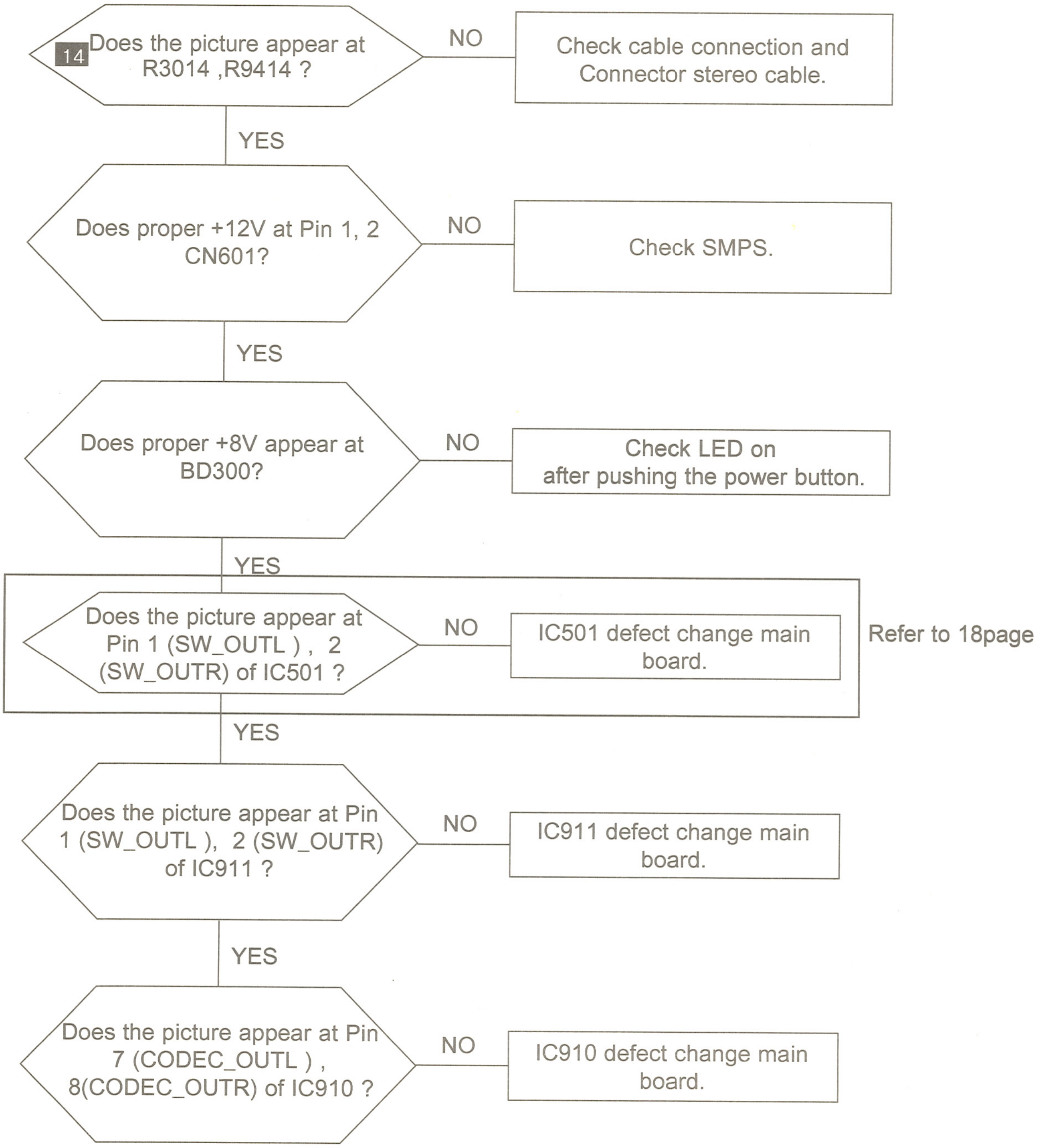


13





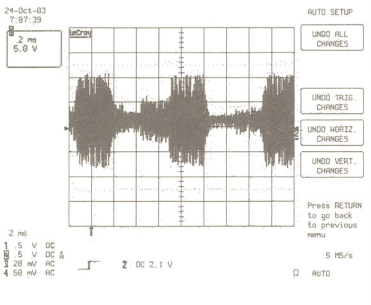
4-1-8 PC No Sound - (1)

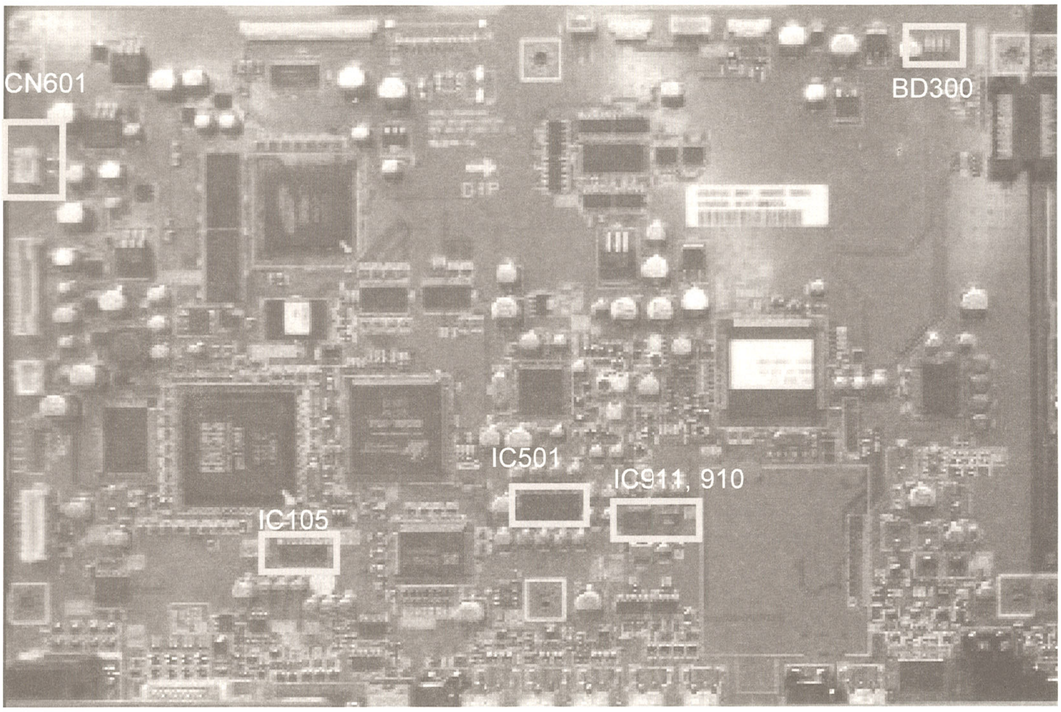


14
Does the picture appear at R3014 ,R9414 ?
NO
Check cable connection and Connector stereo cable.
YES
Does proper +12V at Pin 1, 2 CN601?
NO
Check SMPS.
YES
Does proper +8V appear at BD300?
NO
Check LED on after pushing the power button.
YES
Does the picture appear at Pin 1 (SW_OUTL) , 2 (SW_OUTR) of IC501 ?
NO
IC501 defect change main board.
Refer to 18page
YES
Does the picture appear at Pin 1 (SW_OUTL), 2 (SW_OUTR) of IC911 ?
NO
IC911 defect change main board.
YES
Does the picture appear at Pin 7 (CODEC_OUTL) , 8(CODEC_OUTR) of IC910 ?
NO
IC910 defect change main board.

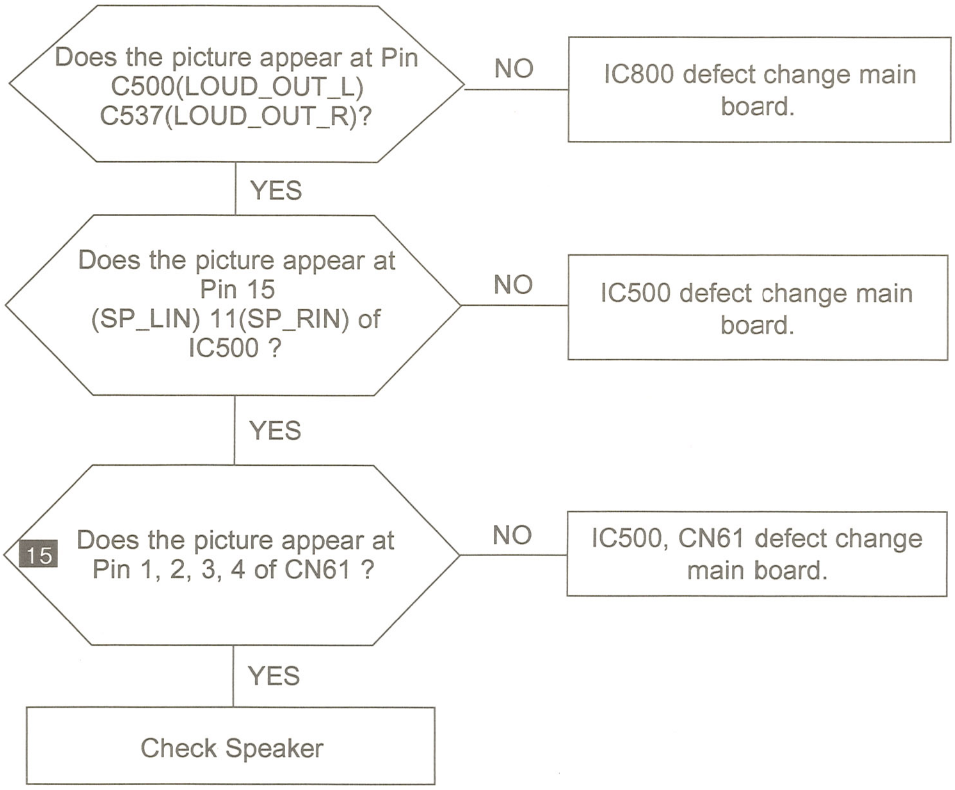
WAVEFORMS

14


24-Oct-03
7:07:39
2 ms
5.0 V
LeCroy
AUTO SETUP
UNDO ALL CHANGES
UNDO TRIG. CHANGES
UNDO HORIZ. CHANGES
UNDO VERT. CHANGES
Press RETURN to go back to previous menu
2 ms
1 .5 V DC
2 .5 V DC
3 20 mV AC
4 50 mV AC
2 DC 2.1 V
5 MS/s
AUTO

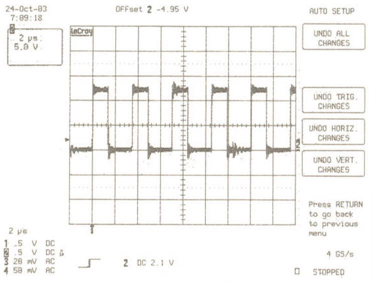

CN601
BD300
IC501
IC911, 910
IC105

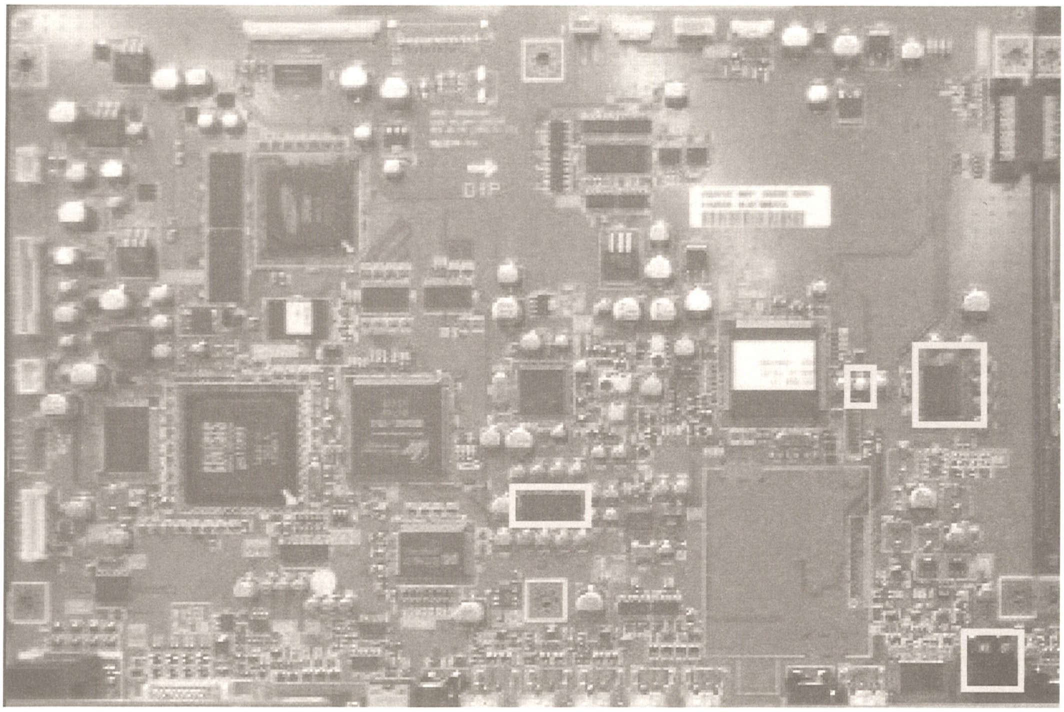
4-1-9 PC No Sound - (2)


Does the picture appear at Pin C500(LOUD_OUT_L) C537(LOUD_OUT_R)?
NO
IC800 defect change main board.
YES
Does the picture appear at Pin 15 (SP_LIN) 11(SP_RIN) of IC500 ?
NO
IC500 defect change main board.
YES
15
Does the picture appear at Pin 1, 2, 3, 4 of CN61 ?
NO
IC500, CN61 defect change main board.
YES
Check Speaker

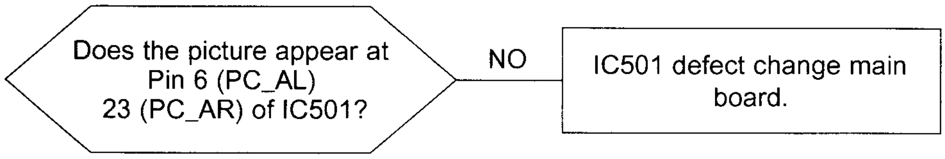
WAVEFORMS

15

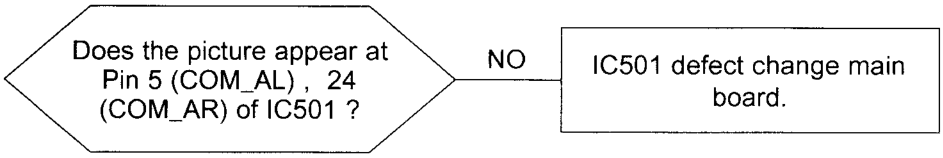

24-Oct-03
7:09:18
Offset 2 -4.95 V
AUTO SETUP
2 µs
5.0 V
LeCroy
UNDO ALL CHANGES
UNDO TRIG. CHANGES
UNDO HORIZ. CHANGES
UNDO VERT. CHANGES
Press RETURN to go back to previous menu
2 µs
1 .5 V DC
2 .5 V DC
3 20 mV AC
4 50 mV AC
2 DC 2.1 V
4 GS/s
☐ STOPPED



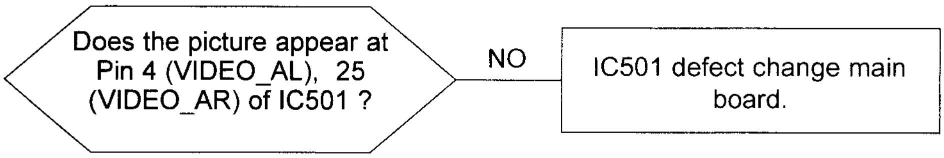
4-1-10 PC, BNC Sound


Does the picture appear at Pin 6 (PC_AL) 23 (PC_AR) of IC501?
NO
IC501 defect change main board.

4-1-11 Component Sound


Does the picture appear at Pin 5 (COM_AL) , 24 (COM_AR) of IC501 ?
NO
IC501 defect change main board.

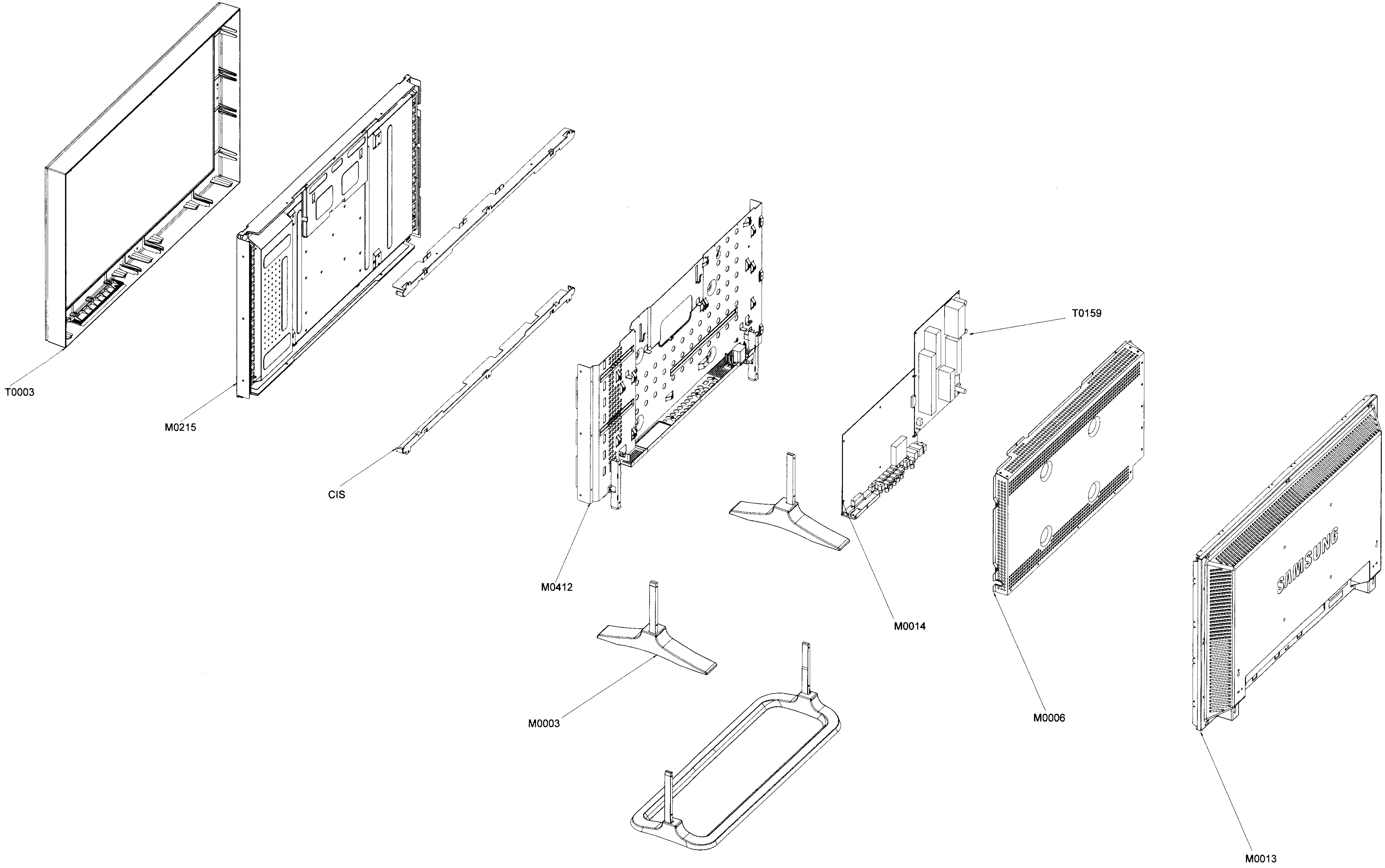
4-1-12 Video, S-video Sound


Does the picture appear at Pin 4 (VIDEO_AL), 25 (VIDEO_AR) of IC501 ?
NO
IC501 defect change main board.

Memo

5 Exploded View & Parts List

5-1 Exploded View


T0003
M0215
CIS
M0412
M0003
T0159
M0014
M0006
SAMSUNG
M0013

5-2 Parts List

Location	Code.No	Item & Specification	Q'ty	SA/SNA	Remark
T0003	BN96-02512A	ASSY COVER P-FRONT;LS32BEP,HIPS,GR-806P	1		
M0215	BN07-00243A	LCD-PANEL;LTA320W2-L03,8bit,760*450*50.0	1		
CIS	BN61-01993A	BRACKET-PANEL TOP;BE32PS,SECC,T1.2	2	S.N.A	
M0412	BN96-02514A	ASSY BRACKET P-PCB;LS32BEP,SECC,T1.0	1	S.N.A	
M0014	BN94-00744C	ASSY PCB MAIN;LS32BEPN*	1		
T0159	BN96-02023B	ASSY PCB P-SMPS;LCD32,BE32PS,330*197mm,A	1	S.N.A	
M0006	BN96-02518A	ASSY SHIELD P-COVER;LS32BEP,SECC T0.5	1	S.N.A	
M0013	BN96-02513A	ASSY COVER P-REAR;LS32BEP,ABS+PC 5V,BK07	1		
M0003	BN96-00452E	ASSY STAND P;BE46PS,AL DIECASTING,BKN-S2	1		

6 Electrical Parts List

-You can search for updated part codes through ITSELF web site.
URL : http://itself.sec.samsung.co.kr/

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
0		LS32BEPNS/EDC	320P,WXC5/S32P0-LBE,32,LCD-MO,NETHERLAND	0	
0.1	M0001	BN90-00744D	ASSY COVER FRONT;LS32BEPNS/*	1	S.N.A
..2	T0003	BN96-02512A	ASSY COVER P-FRONT;LS32BEP,HIPS,GR-806P	1	
...3	M0081	6003-000282	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(BLK),SWCH	4	S.N.A
...3	T0081	BN61-00408A	GUIDE-FUNCTION;CK40PS,ABS,GR503,HB	1	S.N.A
...3	M0112	BN63-02115A	COVER-FRONT;BE32PS,HIPS,T3.2,HB	1	S.N.A
...3	M0007	BN64-00156C	KNOB-FUNCTION;BE46PS,ABS,HB,GR91	1	S.N.A
...3	T0299	BN64-00352A	WINDOW-RMC LED;BEETHOVEN 46,PC,ACRAY,BKM	1	S.N.A
...3	M0020	BN96-02022A	ASSY BOARD P;Beethoven,CT5000-3360,FUNCT	1	
...3	T0057	BP64-00188A	BADGE-BRAND;ALL,AL,T1.5,65.0,10.6,,BLK,S	1	S.N.A
..2	T0382	BP61-00495C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W30.0mm	0.2	S.N.A
0.1	M0002	BN90-00747D	ASSY COVER REAR;LS32BEP	1	S.N.A
..2	M0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	6	S.N.A
..2	M0013	BN96-02513A	ASSY COVER P-REAR;LS32BEP,ABS+PC 5V,BK07	1	
...3	M0081	6003-001321	SCREW-TAPTITE;BH,+,B,M4,L8,ZPC(BLK),SWRC	4	
...3		BN61-00076B	GUIDE-HOOK;LS32BEP,STS,T2.0,BKN-S204	2	S.N.A
...3	M0113	BN61-01505A	BRACKET-VESA;40,ROME,SECC,T1.6	1	S.N.A
...3	M0006	BN63-02117A	COVER-REAR;BE32PS,ABS+PC 5V,T3.0	1	S.N.A
...3	T0578	BN64-00405A	INLAY AV;BE32PS,PS,T0.5,SHEET	1	S.N.A
0.1	T0852	BN91-00407K	ASSY LCD-SPZ;DU32EO	1	S.N.A
..2	M0215	BN07-00243A	LCD-PANEL;LTA320W2-L03,8bit,760*450*50.0	1	
0.1	M0112	BN91-00887D	ASSY SHIELD;LS32BEPNS/*	1	S.N.A
..2	M0081	6003-000282	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(BLK),SWCH	9	S.N.A
..2	M0081	6003-000282	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(BLK),SWCH	9	S.N.A
..2	M0081	6003-000282	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(BLK),SWCH	12	S.N.A
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	4	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	4	
..2	M0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	6	S.N.A
..2	M0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	2	S.N.A
..2	M2893	BN39-00624A	LEAD CONNECTOR;Beethoven,UL2835#28,10P,3	1	
..2	M2893	BN39-00634A	LEAD CONNECTOR;BE46*,UL20276#30,30P,150m	1	
..2	CIS	BN61-01993A	BRACKET-PANEL TOP;BE32PS,SECC,T1.2	2	S.N.A
..2	M0412	BN96-02514A	ASSY BRACKET P-PCB;LS32BEP,SECC,T1.0	1	S.N.A
...3	FT532	2901-001342	FILTER-EMI AC LINE;250V,6A,UL/SA/VDE,0.1	1	
...3	M0081	6003-000282	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(BLK),SWCH	6	S.N.A
...3	CCM1	6006-000245	SCREW-MACHINE;WSP,PH,+,M4,L8,ZPC(YEL),SW	1	S.N.A
...3	M0114	AA61-20069A	HOLDER-WIRE;-,NYLON-66,-,-,-,NTR,V0,PAWH	1	S.N.A
...3	M0131	AA63-01188A	GASKET;LS32BEP,Conductive Fabric,1 mm,44	1	S.N.A
...3	M2893	BN39-00623A	LEAD CONNECTOR;BE46/40/32 PS/TS,UL1617#2	1	
...3		BN61-01991A	GUIDE-STAND;BE32PS,SECC,T1.2	2	S.N.A
...3		BN63-01956A	SHIELD-INSULATOR;BE46PS,PET,T0.35,V2	1	S.N.A
...3	T0178	BN63-02123A	SHIELD-PCB;BE32PS,SECC,T1.0	1	S.N.A
..2	CCMM1	BN73-00091C	SILICON/RUBBER;BE46PS,SILICON+ALUMINA,W2	2	S.N.A
..2	M2893	BN39-00684A	LEAD CONNECTOR;BEETHOVEN,UL2835#28,14P,5	1	
..2	CIS	BN96-02734A	ASSY MISC P-HARNESS;BEETHOVEN,UL1007#26,	1	S.N.A
..2	M0114	AA61-20129A	HOLDER-WIRE;-,NYLON-66,-,-,-,NTR,DAFC-25	1	S.N.A
..2	M0006	BN96-02518A	ASSY SHIELD P-COVER;LS32BEP,SECC T0.5	1	S.N.A
...3	M0131	AA63-01212A	GASKET;BE40TS,Conductive Fabric,1mm,7mm,	1	S.N.A
...3		BN63-02116A	SHIELD-JACK;BE32PS,SECC,T1.0	1	S.N.A
...3	M0107	BN63-02122A	SHIELD-COVER;BE32PS,SECC,T0.5	1	S.N.A
..2	T0159	BN96-02023B	ASSY PCB P-SMPS;LCD32,BE32PS,330*197mm,A	1	S.N.A
0.1	M0045	BN92-01411V	ASSY ACCESSORY;LS32BEPNS/EDC,NETHERLNADS	1	S.N.A
..2	M0003	BN96-00452E	ASSY STAND P;BE46PS,AL DIECASTING,BKN-S2	1	
...3	M0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	8	S.N.A
...3		BN69-00995A	BOX-ACCESSORY;S/M403T(CK40PS),CB SW-1,60	1	S.N.A
...3	M0142	BH61-40002A	FOOT-RUBBER;-,NR,PMS428U,GA4237,-,-,-	4	S.N.A
...3		BN61-00419C	STAND-BASE R/L;CK40,AL DIECASTING,SPRAY,	1	S.N.A
...3		BN61-00424A	STAND-SUPPORT;CK40PS,AL D.C	1	S.N.A
..2	M0045	BN96-02187V	ASSY ACCESSORY;LS32BEP*/EDC,NETHERLANDS	1	
...3	CN906	3705-001262	CONNECTOR-COAXIAL;BNC,ADAPTOR,2MOHM,75OH	4	
...3	T0268	3903-000042	CBF-POWER CORD;DT,EU,FP3/YES,IEC320 C13/	1	

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE	2	S.N.A
...3	ACCESSORY	BH68-70438A	CARD-11,BLOC WARRANTY;TFT LCD,BASIC,EU,M	1	S.N.A
...3	ACCESSORY	BH68-70448A	CARD-01;TFT LCD,SRC,RUSSIA,S/W,120,W210*	1	S.N.A
...3	M0114	BN39-00115B	CBF SIGNAL;TE17PO(1702FP),15P/15P,2990,1	1	
...3	T0074	BN59-00464A	REMOCON;BEETHOVEN,TM76B,17.5x4.5x2,Singl	1	
...3	ACCESSORY	BN69-01086A	BOX-ACCESSORY;ALL,CB-SW1,YEL,W573,D632	1	S.N.A
...3	M0246	BN96-00597D	ASSY ACCESSORY-COVER/HOLE;LS32BEP,ABS HB	1	S.N.A
....4		6902-000336	BAG ZIPPER;LDPE,T0.05,L80,W70,TRP,,,PE M	1	S.N.A
....4	M0006	BN63-02121A	COVER-REAR BOTTOM;BE32PS,ABS,T3.0,HB	2	S.N.A
...3	M0215	BN96-00669T	ASSY MANUAL P-IB+QSG;LS32BEP,320P,SyncMa	1	S.N.A
....4	M0808	BH68-00376L	MANUAL-04;LCDQUICK SETUP GUIDE,SYNCMASTE	1	S.N.A
....4	I/B	BN59-00363N	S/W DRIVER-00,IB;LS32BEP,320P,W/W,SyncMa	1	S.N.A
...3	M2893	BN39-00315A	LEAD CONNECTOR;D54A/SPD-42P3S,UL1007#24,	2	
...3	ACCESSORY	BN68-00786L	MANUAL-QSG;Beethoven 32,SyncMaster,W/W,M	1	S.N.A
0.1	M0113	BN92-01412D	ASSY P/MATERIAL;LS32BEPN*	1	S.N.A
..2	T0376	6902-000061	BAG AIR;LDPE,T0.2,L1000,W500,TRP,,,	0.017	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,--	0.006	S.N.A
..2	T0524	6902-000519	BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.05(	1	S.N.A
..2	P/M	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	16.7	S.N.A
..2	M0081	6902-000609	BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,-,-	0.112	S.N.A
0.1	M0003	BN92-01476F	ASSY BOX;LS32BEP*,S/M320P	1	S.N.A
..2	BOX	BN69-01164A	BOX-MONITOR;S/M320P(LS32BEP),CB-DW3,YEL,	1.02	S.N.A
0.1	M0017	BN91-00886D	ASSY CHASSIS;LS32BEPN*	1	S.N.A
..2	M0014	BN94-00744C	ASSY PCB MAIN;LS32BEPN*	1	
...3	T0245	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	0.25	S.N.A
...3	X201	2801-003959	CRYSTAL-UNIT;0.032768MHz,20ppm,28-AAY,12	1	
...3	CN102	3701-001173	CONNECTOR-DVI;24P,3R,FEMALE,ANGLE,AUF	1	
...3	CN101	3701-001219	CONNECTOR-DSUB;15P,3R,FEMALE,ANGLE,AUF	1	
...3	CN300	3701-001312	CONNECTOR-DSUB;9P/2C,2R,MALE,ANGLE,AUF	1	
...3	CN906	3705-001360	CONNECTOR-COAXIAL;BNC,FEMALE,-,75ohm,-	1	
...3	CN906	3705-001360	CONNECTOR-COAXIAL;BNC,FEMALE,-,75ohm,-	1	
...3	CN906	3705-001360	CONNECTOR-COAXIAL;BNC,FEMALE,-,75ohm,-	1	
...3	CN906	3705-001360	CONNECTOR-COAXIAL;BNC,FEMALE,-,75ohm,-	1	
...3	CN906	3705-001360	CONNECTOR-COAXIAL;BNC,FEMALE,-,75ohm,-	1	
...3	CN906	3705-001360	CONNECTOR-COAXIAL;BNC,FEMALE,-,75ohm,-	1	
...3	CN906	3711-000024	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,STRAIGH	1	
...3	CN906	3711-002633	CONNECTOR-HEADER;NOWALL,2P,1R,2.54mm,STR	1	
...3	CN906	3711-004122	CONNECTOR-HEADER;BOX,14P,1R,2mm,STRAIGHT	1	
...3	CN906	3711-004182	CONNECTOR-HEADER;BOX,10P,1R,2MM,STRAIGHT	1	
...3	CN906	3711-004379	CONNECTOR-HEADER;BOX,4P,1R,2MM,STRAIGHT.	1	
...3	CN906	3711-004445	CONNECTOR-HEADER;BOX,60P,3R,1mm,ANGLE,AU	1	
...3	CN906	3711-004484	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	1	
...3	CN108	3722-002000	JACK-DIN;4P/2C,-,NI,BLK,-	1	S.N.A
...3	CN503	3722-002081	JACK-EAR PHONE;5P/2C,-,SnPb,L-BLU,-	1	
...3	CN502	3722-002285	JACK-PIN;2P,NI,WHT/RED,ANGLE	1	
...3	CN504	3722-002285	JACK-PIN;2P,NI,WHT/RED,ANGLE	1	
...3	CN505	3722-002285	JACK-PIN;2P,NI,WHT/RED,ANGLE	1	
...3	CIS	6011-001445	BOLT-SOCKET;4-40 UNC,L7,NI PLT,BRASS,HEX	8	S.N.A
...3	CN61	BN37-00001B	CONN TERMINAL;UST-AG-021.CT40CSN,BLK,2.0	1	
...3	CIS6	BN63-01710A	SHIELD-JACK;BEETHOVEN 32,SECC,T1.0	1	S.N.A
...3	T0174	BN97-00368J	ASSY SMD;LS32BEP*	1	S.N.A
....4	D1	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D100	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D101	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D102	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D110	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D112	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D113	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D114	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D115	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D116	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D117	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D118	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D119	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D12	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D120	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D121	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D122	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D123	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D124	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D125	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D126	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	D127	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D128	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D129	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D13	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D14	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D15	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D16	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D17	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D19	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D2	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D300	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D301	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D105	0402-000553	DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA	1	
....4	D306	0402-000553	DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA	1	
....4	ZD108	0403-000277	DIODE-ZENER;MMBZ5226B,3.14-3.47V,225MW,S	1	
....4	ZD412	0403-000277	DIODE-ZENER;MMBZ5226B,3.14-3.47V,225MW,S	1	
....4	ZD100	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT	1	
....4	ZD101	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT	1	
....4	ZD102	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT	1	
....4	ZD103	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT	1	
....4	ZD105	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT	1	
....4	ZD106	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT	1	
....4	ZD113	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT	1	
....4	ZD111	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD112	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD116	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD117	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD400	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD401	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD402	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD403	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD404	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD405	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD406	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD407	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	ZD104	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD107	0403-001435	DIODE-ZENER;QZX363C5V6.5.32-5.88V,200MW.	1	
....4	ZD409	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	ZD410	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	D307	0404-001219	DIODE-SCHOTTKY;SS29,90V,1500mA,DO-214AA,	1	
....4	D309	0404-001219	DIODE-SCHOTTKY;SS29,90V,1500mA,DO-214AA,	1	
....4	D412	0404-001219	DIODE-SCHOTTKY;SS29,90V,1500mA,DO-214AA,	1	
....4	D302	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	D303	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	D304	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	D305	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	D406	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	D407	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	D408	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	D409	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	D410	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	D411	0406-001163	DIODE-TVS;CDS3C05GTA,6.4V/-/-,-,SMD	1	
....4	Q105	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q119	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q121	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q122	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q124	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q1504	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q155	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q156	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q160	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q302	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q304	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q306	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q312	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	1	
....4	Q109	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q112	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q1502	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q1503	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q152	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q153	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q154	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q159	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q161	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q162	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	Q163	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	
....4	Q100	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q101	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q1505	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q1506	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q1507	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q300	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q320	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q321	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q400	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q500	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q600	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q409	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.014	1	
....4	Q409	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.014	1	
....4	Q409	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.014	1	
....4	IC104	0801-002617	IC-CMOS LOGIC;7S08,2-INPUT AND GATE,SOT-	1	
....4	IC104	0801-002709	IC-CMOS LOGIC;74HC373,D FLIP-FLOP,TSSOP,	1	
....4	IC104	0801-002709	IC-CMOS LOGIC;74HC373,D FLIP-FLOP,TSSOP,	1	
....4	IC106	0803-000117	IC-TTL;74F14,INVERTER,SOP,14P,150MIL,	1	
....4	IC107	0803-000117	IC-TTL;74F14,INVERTER,SOP,14P,150MIL,	1	
....4	IC108	0803-000117	IC-TTL;74F14,INVERTER,SOP,14P,150MIL,	1	
....4	IC906	0803-000117	IC-TTL;74F14,INVERTER,SOP,14P,150MIL,	1	
....4	IC104	0803-000122	IC-TTL;74F125,BUFFER,SOP,14P,150MIL,Q	1	
....4	IC909	0803-000122	IC-TTL;74F125,BUFFER,SOP,14P,150MIL,Q	1	
....4	IC901	0803-000777	IC-TTL;74F163,COUNTER,SOP,16P,150MIL,	1	
....4	IC904	0803-000777	IC-TTL;74F163,COUNTER,SOP,16P,150MIL,	1	
....4	IC905	0803-000777	IC-TTL;74F163,COUNTER,SOP,16P,150MIL,	1	
....4	IC907	0803-000777	IC-TTL;74F163,COUNTER,SOP,16P,150MIL,	1	
....4	IC105	0909-001032	IC-REAL TIME CLOCK;PCF8563,-,SOP,8P,4.9X	1	
....4	IC106	1001-001082	IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL	1	
....4	IC501	1001-001178	IC-AUDIO SWITCH;TEA6422D,AUDIO SWITCH ,S	1	
....4	IC808	1001-001190	IC-ANALOG SWITCH;FST16233MTD,BUS SWITCH,	1	
....4	IC809	1001-001190	IC-ANALOG SWITCH;FST16233MTD,BUS SWITCH,	1	
....4	IC108	1002-001387	IC-A/D CONVERTER;PCM1802,24BIT,SSOP,20P,	1	
....4	IC107	1002-001399	IC-D/A CONVERTER;PCM1754,24BIT,SSOP,16P,	1	
....4	IC108	1002-001403	IC-A/D CONVERTER;MST9886-110,8Bits,QFP,1	1	
....4	IC109	1003-001758	IC-LCD CONTROLLER;GM1501H-CF,PBGA,416P,3	1	
....4	IC110	1006-001076	IC-DRIVER/RECEIVER;MAX232ECWE+T,SOP,16P,	1	
....4	IC112	1103-000129	IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5	1	
....4	IC112	1103-000129	IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5	1	
....4	IC112	1103-001195	IC-EEPROM;24C64,8Kx8,SOP,P,5x4mm,2.7/5.5	1	
....4	IC113	1105-001336	IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6	1	
....4	IC113	1105-001336	IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6	1	
....4	IC113	1105-001336	IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6	1	
....4	IC113	1105-001336	IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6	1	
....4	IC113	1105-001380	IC-DRAM;K4D263238F,4x1Mx32Bit,TQFP,100P,	1	
....4	IC114	1106-001476	IC-SRAM;K6X1008C2D,128Kx8Bit,TSOP,32P,18	1	
....4	T0085	1201-001971	IC-AUDIO AMP;TA2024,SOP,36P,11X15.9MM,SI	1	
....4	DU410	1201-002187	IC-OP AMP;AD8009JRT,SOT-23,TP,5P,2.9x1.6	1	
....4	DU410	1201-002187	IC-OP AMP;AD8009JRT,SOT-23,TP,5P,2.9x1.6	1	
....4	DU410	1201-002187	IC-OP AMP;AD8009JRT,SOT-23,TP,5P,2.9x1.6	1	
....4	DU410	1201-002187	IC-OP AMP;AD8009JRT,SOT-23,TP,5P,2.9x1.6	1	
....4	DU410	1201-002187	IC-OP AMP;AD8009JRT,SOT-23,TP,5P,2.9x1.6	1	
....4	DU410	1201-002187	IC-OP AMP;AD8009JRT,SOT-23,TP,5P,2.9x1.6	1	
....4	IC503	1203-001109	IC-VOL. DETECTOR;7045,SOT-89,3P,-,PLASTI	1	
....4	IC504	1203-001109	IC-VOL. DETECTOR;7045,SOT-89,3P,-,PLASTI	1	
....4	IC304	1203-001212	IC-VOL. DETECTOR;7029,SOT-89,3P,-,PLASTI	1	
....4	IC305	1203-001212	IC-VOL. DETECTOR;7029,SOT-89,3P,-,PLASTI	1	
....4	IC012	1203-001465	IC-POSI.ADJUST REG.;317,TO-263,3P,-,PLAS	1	
....4	T0087	1203-001488	IC-POSI.FIXED REG.;7805,T0-252,3P,-,PLAS	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-001890	IC-POSI.FIXED REG.;3961,SOT223-5,5P,-,PL	1	
....4	T0087	1203-001890	IC-POSI.FIXED REG.;3961,SOT223-5,5P,-,PL	1	
....4	T0087	1203-002186	IC-POSI.FIXED REG.;18,DPAK,3P,240MIL,PLA	1	
....4	T0087	1203-002186	IC-POSI.FIXED REG.;18,DPAK,3P,240MIL,PLA	1	
....4	IC012	1203-002387	IC-POSI.ADJUST REG.;39102,SOP,8P,153MIL,	1	
....4	T0087	1203-002411	IC-POSI.FIXED REG.;IRU1030-33CM,TO-263,3	1	
....4	T0087	1203-002411	IC-POSI.FIXED REG.;IRU1030-33CM,TO-263,3	1	
....4	T0087	1203-002411	IC-POSI.FIXED REG.;IRU1030-33CM,TO-263,3	1	
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	
....4	T0087	1203-003121	IC-POSI.FIXED REG.;FAN1112,SOT-223,3P,6.	1	
....4	IC130	1203-003473	IC-VOL.CONVERTER;LT1054L,SOP,8P,4.9x3.9m	1	
....4	IC118	1204-002127	IC-VIDEO PROCESS;MDIN-150,QFP,256P,28X28	1	
....4	IC117	1204-002239	IC-SEPARATOR;UPD64084GC-8EA,LQFP,100P,14	1	
....4	IC118	1204-002244	IC-VIDEO PROCESS;DNIEPRO,BGA,272P,27x27m	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	IC120	1205-002412	IC-TRANSMITTER;DTC34LM85A,TSSOP,56P,14x6	1	
....4	R302	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	
....4	R303	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	
....4	R304	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	
....4	R4056	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	
....4	R4118	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	
....4	R4126	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	
....4	R108	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R112	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R113	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R114	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R116	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R136	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R146	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R147	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R149	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R151	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R152	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R161	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R17	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R18	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R183	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R184	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R185	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R190	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R191	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R192	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R200	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R201	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R224	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R237	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R241	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R242	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R246	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R248	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R249	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R255	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R256	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R270	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R271	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R272	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R273	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3001	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3003	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3004	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3006	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3009	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3014	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3016	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3017	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3021	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3022	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R3026	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R309	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R310	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R311	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R312	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R313	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R314	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R315	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R316	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R317	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R318	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R319	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R330	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R335	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R336	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R337	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R341	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R342	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R347	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R348	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R349	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R350	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R351	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R352	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R353	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R354	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R355	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R356	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R357	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R380	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R382	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R387	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R389	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R398	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4015	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4016	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4018	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4019	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4020	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4021	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4022	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4023	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4024	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4025	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4034	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4035	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4036	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4037	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4038	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4039	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4040	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4041	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4042	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4043	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4044	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4045	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4046	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4051	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4052	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4055	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4059	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4060	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4061	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4086	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4087	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4088	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4089	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4090	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4093	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4098	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4099	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4100	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4101	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4102	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4103	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4104	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4105	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4106	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4107	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4108	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4109	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4114	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4127	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4132	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4133	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4134	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4139	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4142	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4143	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R4777	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5006	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5007	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5012	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5014	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5015	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5016	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5018	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5019	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R5020	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5021	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5022	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5023	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5025	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R5030	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R516	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R526	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R639	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R640	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R641	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R642	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R643	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R645	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R647	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R648	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R649	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R650	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R651	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R652	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R653	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R654	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R655	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R656	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R657	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R658	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R659	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R705	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R706	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R71	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R712	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R713	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R723	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R725	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R726	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R727	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R823	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9358	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9370	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9371	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9372	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9373	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9374	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9375	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9376	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9377	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9399	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9400	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9403	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9409	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9414	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9424	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9426	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9431	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9474	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9475	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9493	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9523	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9524	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9531	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9534	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9535	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9536	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9537	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9538	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9539	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9542	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9543	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9552	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9564	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9565	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R9569	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R153	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R154	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R232	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R233	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R234	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R236	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R300	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R4200	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R4201	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R701	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R702	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R703	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R704	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R9354	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R9540	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R9548	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R9549	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	
....4	R227	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	
....4	R250	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	
....4	R4047	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	
....4	R107	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R109	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R148	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R165	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R166	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R208	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R211	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R215	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R217	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R218	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R219	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R220	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R222	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R223	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R225	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R226	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R229	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R230	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R247	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R251	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R252	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R3000	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R3015	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R3030	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R3037	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R3038	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R3039	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R305	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R364	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R370	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R379	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R390	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R391	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R397	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R399	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4091	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4092	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4094	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4095	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4096	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4097	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4113	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4115	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4116	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4117	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4119	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4120	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4121	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4123	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4128	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4129	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4130	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4131	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R4145	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R515	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R623	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R709	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R710	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R711	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R721	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9398	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9411	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9412	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9415	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9416	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9418	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9420	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9422	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9430	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9460	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9461	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9462	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9463	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9554	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R9555	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R207	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R213	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R216	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R367	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R376	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R9518	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R9530	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	
....4	R228	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	
....4	R243	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	
....4	R244	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	
....4	R500	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	
....4	R501	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	
....4	R214	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R221	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R3020	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R3031	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R366	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R369	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R381	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R385	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R386	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R388	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R392	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R5005	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R5017	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R606	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R607	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R9413	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R193	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R194	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R195	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R196	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R197	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R198	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R202	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R203	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R204	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R253	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R254	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R3002	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R3013	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R3029	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R3033	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R3034	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R3035	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R334	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R338	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R362	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R375	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R383	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R396	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R4124	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R4136	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R540	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R9410	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R9476	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R9563	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R301	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R503	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	
....4	R358	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R359	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R4000	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R4001	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R4002	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R4003	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R4004	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R4111	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R4122	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R4125	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	
....4	R133	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R134	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R240	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R360	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R363	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R4110	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R4144	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R504	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R510	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R521	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R523	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R534	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R537	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R538	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R601	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R602	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R622	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R708	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9391	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9392	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9427	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9428	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9477	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9478	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9479	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R9480	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R502	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	
....4	R102	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R145	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R3025	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4053	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4063	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4064	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4066	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4069	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4070	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4073	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4075	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4076	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4078	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4080	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4082	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4084	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R4112	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R9421	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R9429	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R9432	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R9527	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R9550	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R9561	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R103	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R104	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R9434	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R9435	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R9551	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R9553	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R505	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	
....4	R507	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	
....4	R3012	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	
....4	R3023	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	
....4	R3032	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	
....4	R373	2007-000096	R-CHIP;30Kohm,5%,1/10W,TP,1608	1	
....4	R361	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R600	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R9481	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R9482	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R328	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R329	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R371	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R365	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	
....4	R105	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	
....4	R384	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R4028	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R4029	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R4030	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R4031	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R4032	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R4033	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R4048	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R4049	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R4050	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R4054	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	
....4	R3010	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	1	
....4	R3018	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	
....4	R3005	2007-000121	R-CHIP;820ohm,5%,1/10W,TP,1608	1	
....4	R3027	2007-000121	R-CHIP;820ohm,5%,1/10W,TP,1608	1	
....4	R3011	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R368	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R372	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R374	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R282	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	1	
....4	R393	2007-000130	R-CHIP;39Kohm,5%,1/10W,TP,1608	1	
....4	R508	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	
....4	R509	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	
....4	R517	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	
....4	R519	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	
....4	R520	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	
....4	R525	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	
....4	R527	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	
....4	R528	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	
....4	R231	2007-000305	R-CHIP;10Mohm,5%,1/10W,TP,1608	1	
....4	R137	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R138	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R139	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R140	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R141	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R142	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R143	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R144	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R3007	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R322	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R323	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R324	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R378	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R394	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R395	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R506	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R518	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R9417	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R9419	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R9485	2007-000467	R-CHIP;1Kohm,1%,1/4W,TP,3216	1	
....4	R331	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	
....4	R332	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	
....4	R333	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	
....4	R9438	2007-000616	R-CHIP;24Kohm,5%,1/10W,TP,1608	1	
....4	R9439	2007-000616	R-CHIP;24Kohm,5%,1/10W,TP,1608	1	
....4	R325	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	
....4	R326	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	
....4	R327	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	
....4	R9496	2007-000708	R-CHIP;3.9Kohm,1%,1/10W,TP,1608	1	
....4	R11	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R1102	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R1103	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R1107	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R1108	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R1112	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R1113	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R12	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R13	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R14	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R15	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R16	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R21	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R22	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R4135	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	
....4	R306	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	1	
....4	R307	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	1	
....4	R308	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	1	
....4	R377	2007-000799	R-CHIP;360ohm,5%,1/10W,TP,1608	1	
....4	R121	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	1	
....4	R122	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	1	
....4	R158	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	1	
....4	R159	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	1	
....4	R646	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	1	
....4	R9532	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	
....4	R150	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	
....4	R3008	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	
....4	R3036	2007-001093	R-CHIP;620ohm,5%,1/10W,TP,1608	1	
....4	R100	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R101	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R106	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R9558	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R9559	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R9560	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R1100	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R1111	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R119	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R120	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R123	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R124	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R125	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R126	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R127	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R186	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R700	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R707	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R9544	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R9547	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R9486	2007-007004	R-CHIP;12Kohm,1%,1/10W,TP,1608	1	
....4	R401	2007-007850	R-CHIP;249ohm,1%,1/10W,TP,1608	1	
....4	RA200	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA201	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA202	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA203	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA204	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA205	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA206	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA700	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA701	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA702	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA703	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA704	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA705	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA710	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA711	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA712	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA713	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA714	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA715	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA716	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA717	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA722	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA723	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA726	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA727	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA97	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	
....4	RA300	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA301	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA400	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA401	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA402	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA403	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA404	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA405	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	

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....4	RA406	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA407	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA408	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA409	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA410	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA411	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA418	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA419	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA426	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA427	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA428	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA429	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA430	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA431	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA432	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA433	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA434	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	
....4	RA215	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA218	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA219	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA220	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA412	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA413	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA414	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA415	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA416	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA417	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA420	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA421	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA422	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA423	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA424	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	RA425	2011-001001	R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP	1	
....4	C301	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C309	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C312	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C316	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C319	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C323	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C326	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C332	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C338	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	
....4	C1230	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1231	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1232	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1233	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1234	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1235	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1236	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1237	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1238	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1239	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1240	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C1241	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C200	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2001	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2002	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2003	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2004	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2005	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2006	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2007	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2008	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2009	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C201	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2010	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2011	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2012	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2013	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2014	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2019	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C202	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2020	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2021	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2022	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	

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....4	C2023	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2024	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2025	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2027	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2028	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2029	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C203	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2030	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2034	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2035	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2036	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2037	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2038	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C204	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2040	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2042	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2043	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2044	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2046	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2047	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2049	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2051	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2052	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2053	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2054	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2056	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2057	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2058	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2060	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2061	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2062	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2063	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2064	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2065	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2067	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2068	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2069	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C207	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2070	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2071	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2072	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2073	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2074	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2075	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2077	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2078	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2079	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2080	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2081	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2082	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2083	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2084	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2085	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2086	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2087	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2091	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2092	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2093	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2094	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2095	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2096	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2097	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2098	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2099	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C210	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2100	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2101	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2102	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2103	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2104	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2105	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2108	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2109	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C211	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2112	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	

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....4	C2113	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2114	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2115	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C2116	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C212	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C213	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C216	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C222	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C224	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C227	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C230	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C245	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C246	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C250	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C262	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C265	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C30	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3001	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3002	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3008	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3009	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3010	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3011	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3012	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3015	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3016	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3019	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3035	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3036	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3038	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3039	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C304	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3040	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C307	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C31	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3110	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3113	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3115	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3123	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3124	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3125	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3126	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3127	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3129	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3130	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3131	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3132	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3133	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3134	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3136	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C3138	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C328	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C33	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4047	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C4048	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C505	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C506	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C507	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C510	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C513	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C516	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C519	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C521	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C522	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C525	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C529	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C531	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C532	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C533	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C534	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C539	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C5715	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C602	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6305	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6309	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	

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....4	C6315	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6318	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6335	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6340	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6341	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6379	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6380	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6381	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6382	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6383	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6384	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6385	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6386	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6387	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6388	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6389	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6390	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6391	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6392	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6393	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6394	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6395	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6396	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6397	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6411	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6412	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6413	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6414	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6415	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6416	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6417	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6418	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6419	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6420	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6421	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6422	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6423	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6424	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6425	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6426	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6427	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6428	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6429	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6430	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6431	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6432	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6433	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6434	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6460	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6462	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6464	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6497	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6523	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6527	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C6553	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C729	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C737	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C738	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C739	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C740	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C741	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C742	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C743	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C744	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C745	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C746	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C747	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C748	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C750	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C751	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C752	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C109	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C111	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C115	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C116	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C122	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C131	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C132	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C133	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C148	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C6541	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	
....4	C100	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C101	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C102	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C103	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C104	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C107	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C161	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C603	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C6337	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C6551	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C6552	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C730	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C753	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C754	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C755	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C6540	2203-000280	C-CER,CHIP;0.01NF,0.5PF,50V,C0G,TP,1608	1	
....4	C4051	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	
....4	C6436	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	
....4	C6533	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	
....4	C6534	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	
....4	C218	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C225	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C3014	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C329	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C335	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C6452	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C6530	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C6531	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C6539	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C6543	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C6544	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C728	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C781	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C783	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C785	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C2016	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C2017	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C238	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C3017	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C3018	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C3121	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C3122	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C32	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C538	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C6554	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C6555	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C6556	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C400	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	
....4	C502	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	
....4	C503	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	
....4	C514	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	
....4	C515	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	
....4	C699	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	
....4	C232	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C6442	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C6443	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C235	2203-000903	C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608	1	
....4	C236	2203-000903	C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608	1	
....4	C237	2203-000903	C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608	1	
....4	C219	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C6439	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C6440	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C6441	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C6445	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C6446	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C530	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	
....4	C3003	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	
....4	C3005	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	
....4	C3006	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	

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....4	C3118	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	
....4	C2222	2203-001071	C-CER,CHIP;0.056nF,5%,50V,C0G,1608	1	
....4	C6447	2203-001155	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	1	
....4	C240	2203-001222	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608	1	
....4	C3119	2203-001222	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608	1	
....4	C6438	2203-001222	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608	1	
....4	C118	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C119	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C120	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C1200	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C2032	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C206	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C215	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C220	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C3120	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C105	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C300	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C308	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C311	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C315	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C318	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C322	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C325	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C331	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C334	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C337	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C1101	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C1105	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C1109	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C1204	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C1211	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C134	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C135	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C14	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C15	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C150	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C152	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C154	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C156	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C158	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C16	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C160	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C17	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C18	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C19	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C409	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C6312	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C6322	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C6468	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C6469	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C6502	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C6503	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C701	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C702	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C703	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C704	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C705	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C706	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C707	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C708	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C709	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C710	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C711	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C712	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C713	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C715	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C716	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C717	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C718	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C719	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C720	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C721	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C722	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C723	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C724	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C725	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C726	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C727	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C731	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C732	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C733	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C734	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C735	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C508	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C509	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C511	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C512	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C517	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C518	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C520	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C523	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C524	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C526	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C527	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C528	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C535	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C536	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C6550	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C147	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C2221	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C2223	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C2224	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C6520	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C6521	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C6538	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C6516	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C1100	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C1104	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C1108	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C1203	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C1205	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C1210	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2015	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2018	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2026	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2033	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2039	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2041	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2045	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2050	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2055	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2059	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2076	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2090	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C2111	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C244	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C306	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C310	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C3128	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C313	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C3135	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C317	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C320	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C321	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C324	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C327	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C330	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C333	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C336	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6349	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6350	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6351	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6358	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6359	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6360	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6361	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6362	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6364	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6365	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6366	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C6367	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6368	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6466	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6467	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6528	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6542	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C780	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C782	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C784	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C6518	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	
....4	C6526	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	
....4	C149	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C151	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C153	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C155	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C157	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C159	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C6448	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C11	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C12	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C6463	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C6494	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C6495	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C6496	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	
....4	C6465	2402-001083	C-AL,SMD;100uF,20%,50V,GP,TP,10x10.3x10	1	
....4	C13	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C6304	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C6308	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C6471	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C6507	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C6535	2402-001128	C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	1	
....4	C2220	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	C3022	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	C3111	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	C3112	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	C3114	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	C3137	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	C6490	2402-001129	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	C3000	2402-001147	C-AL,SMD;3.3UF,20%,50V,WT,TP,4X5.8MM	1	
....4	C500	2402-001147	C-AL,SMD;3.3UF,20%,50V,WT,TP,4X5.8MM	1	
....4	C537	2402-001147	C-AL,SMD;3.3UF,20%,50V,WT,TP,4X5.8MM	1	
....4	C6348	2402-001147	C-AL,SMD;3.3UF,20%,50V,WT,TP,4X5.8MM	1	
....4	C6458	2402-001147	C-AL,SMD;3.3UF,20%,50V,WT,TP,4X5.8MM	1	
....4	C6476	2402-001147	C-AL,SMD;3.3UF,20%,50V,WT,TP,4X5.8MM	1	
....4	C6498	2402-001147	C-AL,SMD;3.3UF,20%,50V,WT,TP,4X5.8MM	1	
....4	C3076	2402-001149	C-AL,SMD;22UF,20%,16V,-,TP,5X5.8MM	1	
....4	C3078	2402-001149	C-AL,SMD;22UF,20%,16V,-,TP,5X5.8MM	1	
....4	C6501	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	
....4	C2031	2402-001160	C-AL,SMD;330UF,20%,16V,WT,TP,1008	1	
....4	C6336	2402-001160	C-AL,SMD;330UF,20%,16V,WT,TP,1008	1	
....4	C5704	2402-001165	C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM	1	
....4	C5705	2402-001165	C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM	1	
....4	C5706	2402-001165	C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM	1	
....4	C5707	2402-001165	C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM	1	
....4	C2048	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.8m	1	
....4	C3004	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.8m	1	
....4	C6472	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.8m	1	
....4	C6473	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.8m	1	
....4	C6474	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.8m	1	
....4	C6475	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.8m	1	
....4	C2107	2402-001183	C-AL,SMD;22UF,20%,16V,WT,TP,5.3X5.3X6MM	1	
....4	C6491	2402-001183	C-AL,SMD;22UF,20%,16V,WT,TP,5.3X5.3X6MM	1	
....4	C6480	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6481	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6482	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6483	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6484	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6485	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6486	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6487	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6488	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6489	2402-001226	C-AL,SMD;4.7UF,20%,35V,HR,TP,4.3X4.3X5.8	1	
....4	C6478	2402-001238	C-AL,SMD;1UF,20%,50V,HR,TP,4.3X4.3X5.2MM	1	
....4	C6499	2402-001238	C-AL,SMD;1UF,20%,50V,HR,TP,4.3X4.3X5.2MM	1	
....4	C6317	2409-001035	C-ORGANIC;10uF,20%,10V,LZ,TP,5.4x4.3x4.3	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C6479	2409-001035	C-ORGANIC;10uF,20%,10V,LZ,TP,5.4x4.3x4.3	1	
....4	C303	2409-001046	C-ORGANIC;39uF,20%,16V,WT,TP,6.3x6 mm,-	1	
....4	C305	2409-001046	C-ORGANIC;39uF,20%,16V,WT,TP,6.3x6 mm,-	1	
....4	C6301	2409-001046	C-ORGANIC;39uF,20%,16V,WT,TP,6.3x6 mm,-	1	
....4	C6313	2409-001046	C-ORGANIC;39uF,20%,16V,WT,TP,6.3x6 mm,-	1	
....4	C6500	2409-001046	C-ORGANIC;39uF,20%,16V,WT,TP,6.3x6 mm,-	1	
....4	C302	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C3116	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C314	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C6310	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C6319	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C6321	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C6346	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C6449	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C6450	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C6457	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C6537	2409-001065	C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,-	1	
....4	C21	2409-001085	C-ORGANIC;47UF,20%,10V,WT,TP,5*5.7MM,1.4	1	
....4	C540	2409-001085	C-ORGANIC;47UF,20%,10V,WT,TP,5*5.7MM,1.4	1	
....4	C600	2409-001085	C-ORGANIC;47UF,20%,10V,WT,TP,5*5.7MM,1.4	1	
....4	C601	2409-001085	C-ORGANIC;47UF,20%,10V,WT,TP,5*5.7MM,1.4	1	
....4	C6339	2409-001085	C-ORGANIC;47UF,20%,10V,WT,TP,5*5.7MM,1.4	1	
....4	C6454	2409-001085	C-ORGANIC;47UF,20%,10V,WT,TP,5*5.7MM,1.4	1	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	1	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	1	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	1	
....4	T0052	2703-000389	INDUCTOR-SMD;5.6uH,5%,3225	1	
....4	T0052	2703-001334	INDUCTOR-SMD;1.5uH,10%,2012	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	X200	2801-003667	CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16,	1	
....4	X301	2801-003755	CRYSTAL-SMD;20MHZ,30PPM,SMD,20PF,50OHM,T	1	
....4	X300	2801-004004	CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2	1	
....4	X400	2804-001443	OSCILLATOR-CLOCK;25MHZ,100PPM,CMOS,TP,3.	1	
....4	X501	2804-001535	OSCILLATOR-CLOCK;12.288MHZ,100PPM,30PF,T	1	
....4	F105	2909-001052	FILTER-LC;3.58MHz,3MHz,1.5dB,TP,11dB/1.0	1	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,4	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
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....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,.192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,400mA,TP,,,0.4ohm	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,400mA,TP,,,0.4ohm	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,400mA,TP,,,0.4ohm	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,400mA,TP,,,0.4ohm	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,400mA,TP,,,0.4ohm	1	S.N.A
....4	T0568	3301-001176	BEAD-SMD;80ohm,2012,400mA,TP,,,0.4ohm	1	S.N.A
....4	T0568	3301-001560	BEAD-SMD;80ohm,1.6X0.8X0.8mm,200mA,TP,,,	1	S.N.A
....4	T0568	3301-001560	BEAD-SMD;80ohm,1.6X0.8X0.8mm,200mA,TP,,,	1	S.N.A
....4	T0568	3301-001560	BEAD-SMD;80ohm,1.6X0.8X0.8mm,200mA,TP,,,	1	S.N.A
....4	T0568	3301-001569	BEAD-SMD;600ohm,2012,1000mA,TP,520ohm/90	1	S.N.A
....4	T0568	3301-001569	BEAD-SMD;600ohm,2012,1000mA,TP,520ohm/90	1	S.N.A
....4	T0568	3301-001569	BEAD-SMD;600ohm,2012,1000mA,TP,520ohm/90	1	S.N.A
....4	CN906	3711-005470	CONNECTOR-HEADER;BOX,30P,1R,1.25mm,SMD-A	1	
....4	L500	BN27-00007A	COIL CHOKE-SMD;DHB0504-100,RB15/17NS,10U	1	
....4	L501	BN27-00007A	COIL CHOKE-SMD;DHB0504-100,RB15/17NS,10U	1	
....4	L502	BN27-00007A	COIL CHOKE-SMD;DHB0504-100,RB15/17NS,10U	1	
....4	L503	BN27-00007A	COIL CHOKE-SMD;DHB0504-100,RB15/17NS,10U	1	
....4	T0010	BN27-00009A	COIL CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.	1	
....4	MAIN_MICOM	BN97-00662A	ASSY MICOM-MAIN;LS32BEPN*,W/W	1	
.....5	IC115	1107-001391	IC-FLASH MEMORY;29W800D,1Mx8/512Kx16,TSO	1	
....4	FT3001	MD29-00011A	FILTER LPF;TH355LSK-K5243,0to7MHz,-30to+	1	
....4	FT3002	MD29-00011A	FILTER LPF;TH355LSK-K5243,0to7MHz,-30to+	1	
....4	VIDEO_MICO	BN97-00662B	ASSY MICOM-VIDEO;LS32BEPN*,W/W	1	
.....5	T0119	BN09-00005A	IC MICOM;VCT4862-XM C7,144,3.3V,NTSC On	1	S.N.A
....4	T0077	BN41-00578C	PCB MAIN;BEETHOVEN,FR4,4L,MP1.2,1.6T,LS3	1	S.N.A
....4	CA1	2503-001018	C-NETWORK;15PFX4,10%,50V,-	1	
....4	CA2	2503-001018	C-NETWORK;15PFX4,10%,50V,-	1	
....4	CA3	2503-001018	C-NETWORK;15PFX4,10%,50V,-	1	
....4	CA4	2503-001018	C-NETWORK;15PFX4,10%,50V,-	1	
....4	CA5	2503-001018	C-NETWORK;15PFX4,10%,50V,-	1	
....4	CA6	2503-001018	C-NETWORK;15PFX4,10%,50V,-	1	
....4	CIS5	0202-001375	SOLDER-CREAM;RMA-20-21L,S63,-,Sn63/Pb36.	0.006	S.N.A
0.1	M0019	BN92-01410M	ASSY LABEL;LS32BE/EDC,EDC ONLY	1	S.N.A

7 Block Diagram

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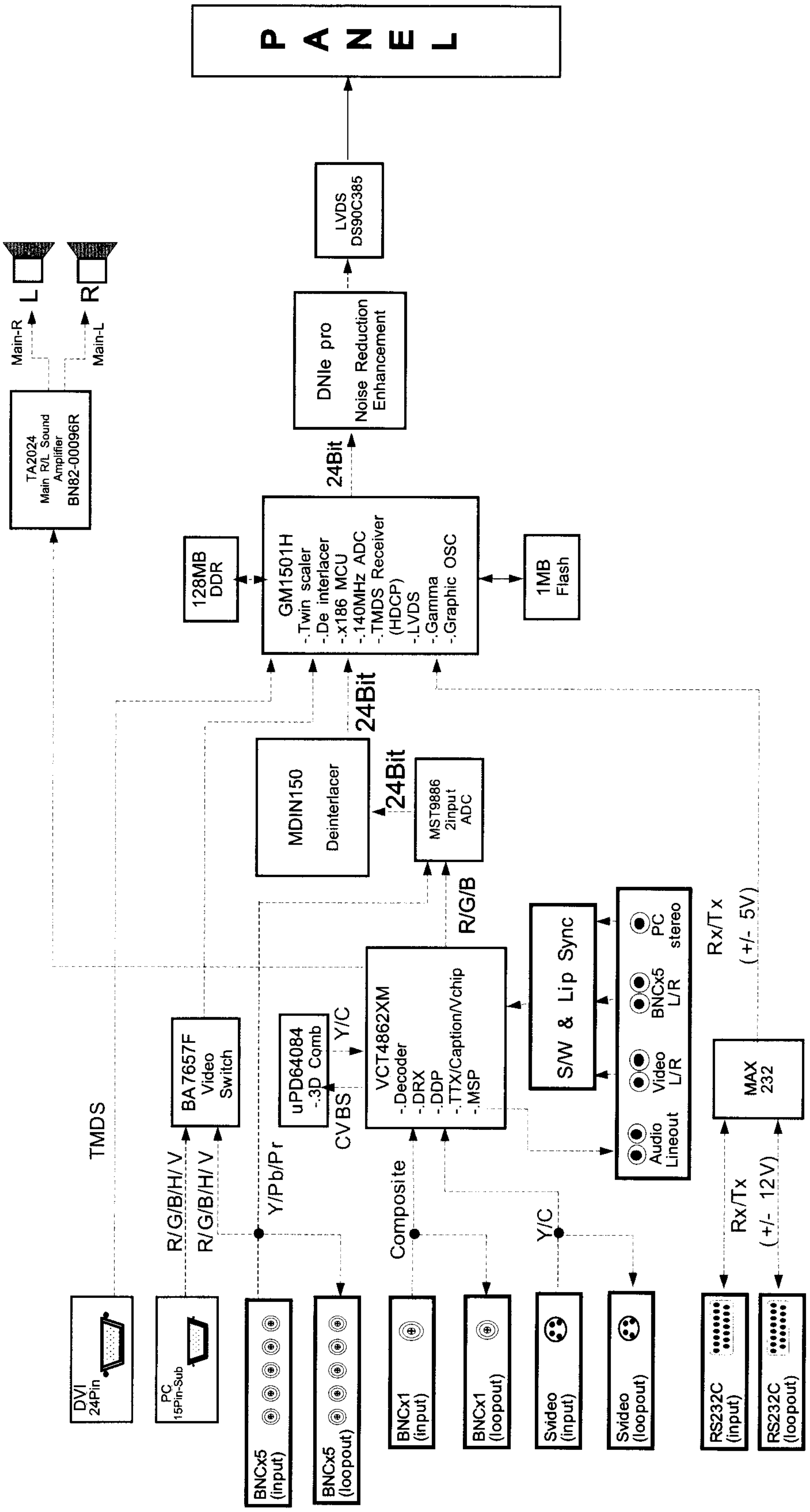
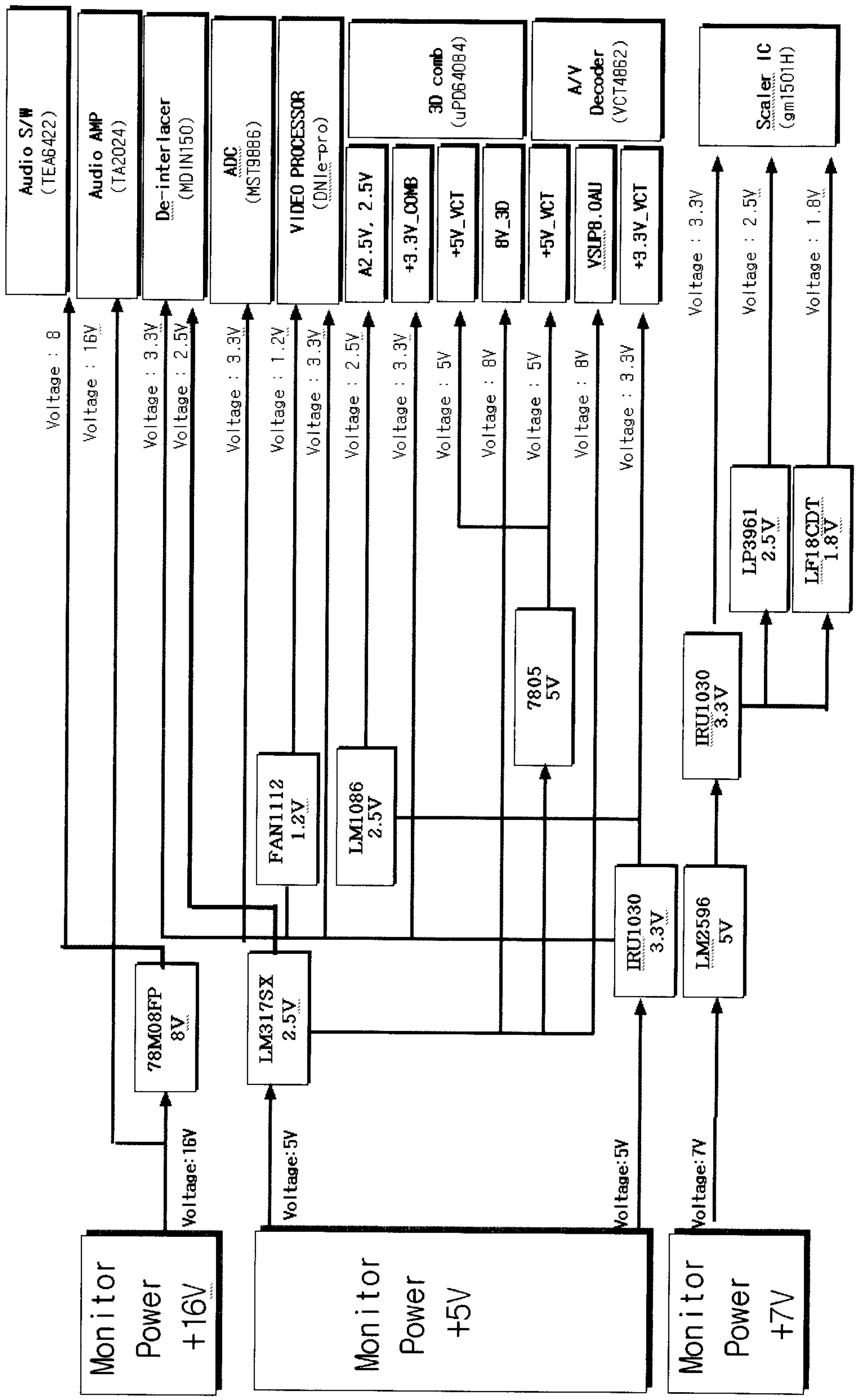
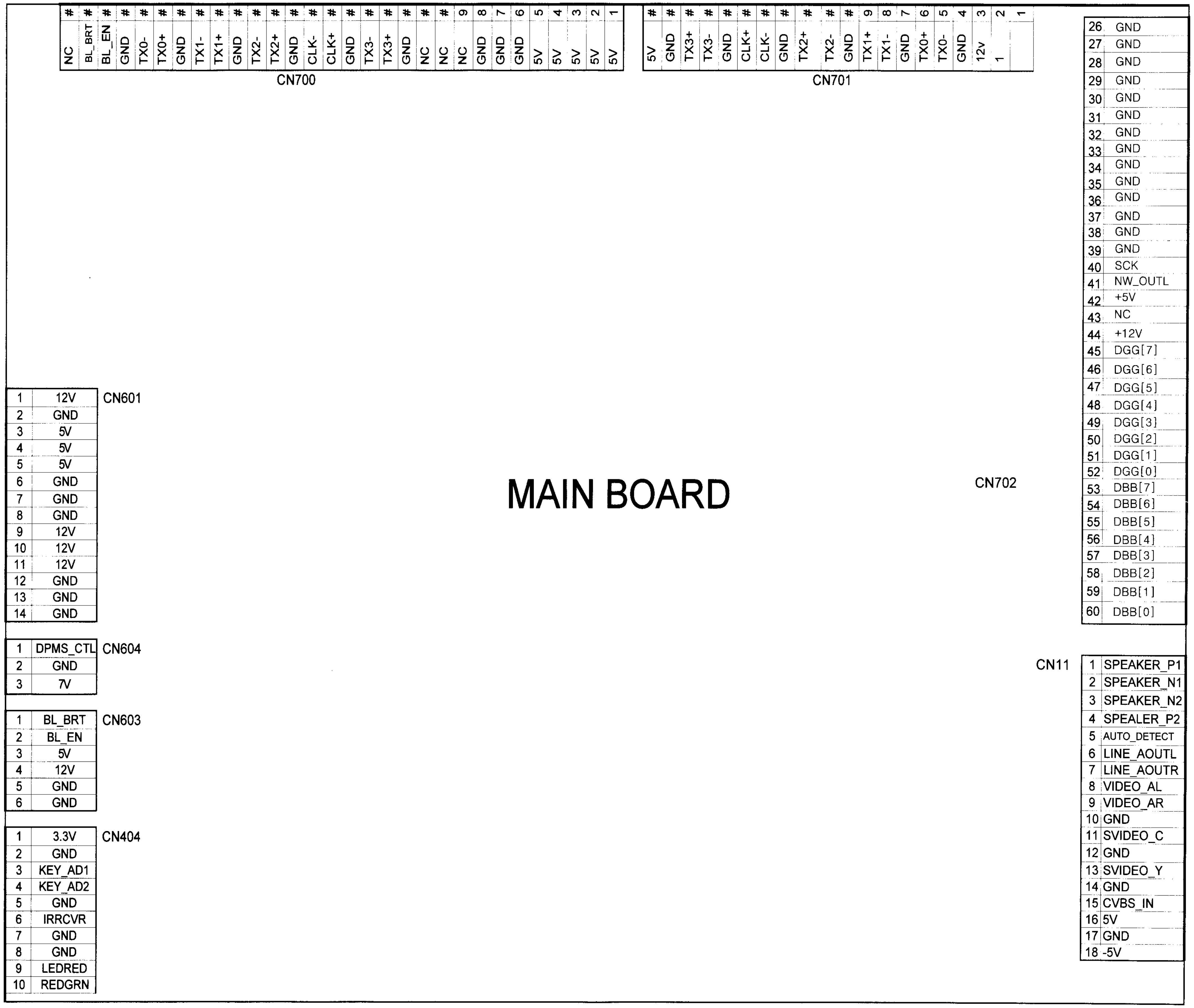
7-1 Monitor Block


PANEL
LVDS
DS90C385
DNIe pro
Noise Reduction
Enhancement
24Bit
GM1501H
-.Twin scaler
-.De interlacer
-.x186 MCU
-.140MHz ADC
-.TMDS Receiver (HDCP)
-.LVDS
-.Gamma
-.Graphic OSC
128MB DDR
1MB Flash
TA2024
Main R/L Sound Amplifier
BN82-00096R
Main-R
Main-L
L
R
24Bit
MDIN150
Deinterlacer
24Bit
MST9886
2input ADC
R/G/B
VCT4862XM
-.Decoder
-.DRX
-.DDP
-.TTX/Caption/Vchip
-.MSP
uPD64084
-.3D Comb
Y/C
CVBS
S/W & Lip Sync
Audio Lineout
Video L/R
BNCx5 L/R
PC stereo
Rx/Tx
(+/- 5V)
MAX 232
Rx/Tx
(+/- 12V)
BA7657F
Video Switch
TMDS
R/G/B/H/V
R/G/B/H/V
Y/Pb/Pr
Composite
Y/C
DVI 24Pin
PC 15Pin-Sub
BNCx5 (input)
BNCx5 (loopout)
BNCx1 (input)
BNCx1 (loopout)
Svideo (input)
Svideo (loopout)
RS232C (input)
RS232C (loopout)

7-2 Main - Power Block


Audio S/W (TEA6422)
Audio AMP (TA2024)
De-interlacer (MDIN150)
ADC (MST9886)
VIDEO PROCESSOR (DNIe-pro)
3D comb (uPD64084)
A/V Decoder (VCT4862)
Scaler IC (gm1501H)
A2.5V, 2.5V
+3.3V_COMB
+5V_VCT
8V_3D
+5V_VCT
VSLPB.OAU
+3.3V_VCT
Voltage : 8
Voltage : 16V
Voltage : 3.3V
Voltage : 2.5V
Voltage : 3.3V
Voltage : 1.2V
Voltage : 3.3V
Voltage : 2.5V
Voltage : 3.3V
Voltage : 5V
Voltage : 8V
Voltage : 5V
Voltage : 8V
Voltage : 3.3V
Voltage : 3.3V
Voltage : 2.5V
Voltage : 1.8V
LP3961 2.5V
LF18CDT 1.8V
7805 5V
IRU1030 3.3V
FAN1112 1.2V
LM1086 2.5V
IRU1030 3.3V
LM2596 5V
78M08FP 8V
LM317SX 2.5V
Voltage:16V
Voltage:5V
Voltage:5V
Voltage:7V
Monitor Power +16V
Monitor Power +5V
Monitor Power +7V

8 Wiring Diagram



CN700

#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	9	8	7	6	5	4	3	2	1
NC	BL_BRT	BL_EN	GND	TX0-	TX0+	GND	TX1-	TX1+	GND	TX2-	TX2+	GND	CLK-	CLK+	GND	TX3-	TX3+	GND	NC	NC	NC	GND	GND	GND	5V	5V	5V	5V	5V

CN701

#	#	#	#	#	#	#	#	#	#	#	9	8	7	6	5	4	3	2	1
5V	GND	TX3+	TX3-	GND	CLK+	CLK-	GND	TX2+	TX2-	GND	TX1+	TX1-	GND	TX0+	TX0-	GND	12v	1	

CN601

1	12V
2	GND
3	5V
4	5V
5	5V
6	GND
7	GND
8	GND
9	12V
10	12V
11	12V
12	GND
13	GND
14	GND

CN604

1	DPMS_CTL
2	GND
3	7V

CN603

1	BL_BRT
2	BL_EN
3	5V
4	12V
5	GND
6	GND

CN404

1	3.3V
2	GND
3	KEY_AD1
4	KEY_AD2
5	GND
6	IRRCVR
7	GND
8	GND
9	LEDRED
10	REDGRN

CN702

26	GND
27	GND
28	GND
29	GND
30	GND
31	GND
32	GND
33	GND
34	GND
35	GND
36	GND
37	GND
38	GND
39	GND
40	SCK
41	NW_OUTL
42	+5V
43	NC
44	+12V
45	DGG[7]
46	DGG[6]
47	DGG[5]
48	DGG[4]
49	DGG[3]
50	DGG[2]
51	DGG[1]
52	DGG[0]
53	DBB[7]
54	DBB[6]
55	DBB[5]
56	DBB[4]
57	DBB[3]
58	DBB[2]
59	DBB[1]
60	DBB[0]

CN11

1	SPEAKER_P1
2	SPEAKER_N1
3	SPEAKER_N2
4	SPEALER_P2
5	AUTO_DETECT
6	LINE_AOUTL
7	LINE_AOUTR
8	VIDEO_AL
9	VIDEO_AR
10	GND
11	SVIDEO_C
12	GND
13	SVIDEO_Y
14	GND
15	CVBS_IN
16	5V
17	GND
18	-5V

Memo

9 Schematic Diagram

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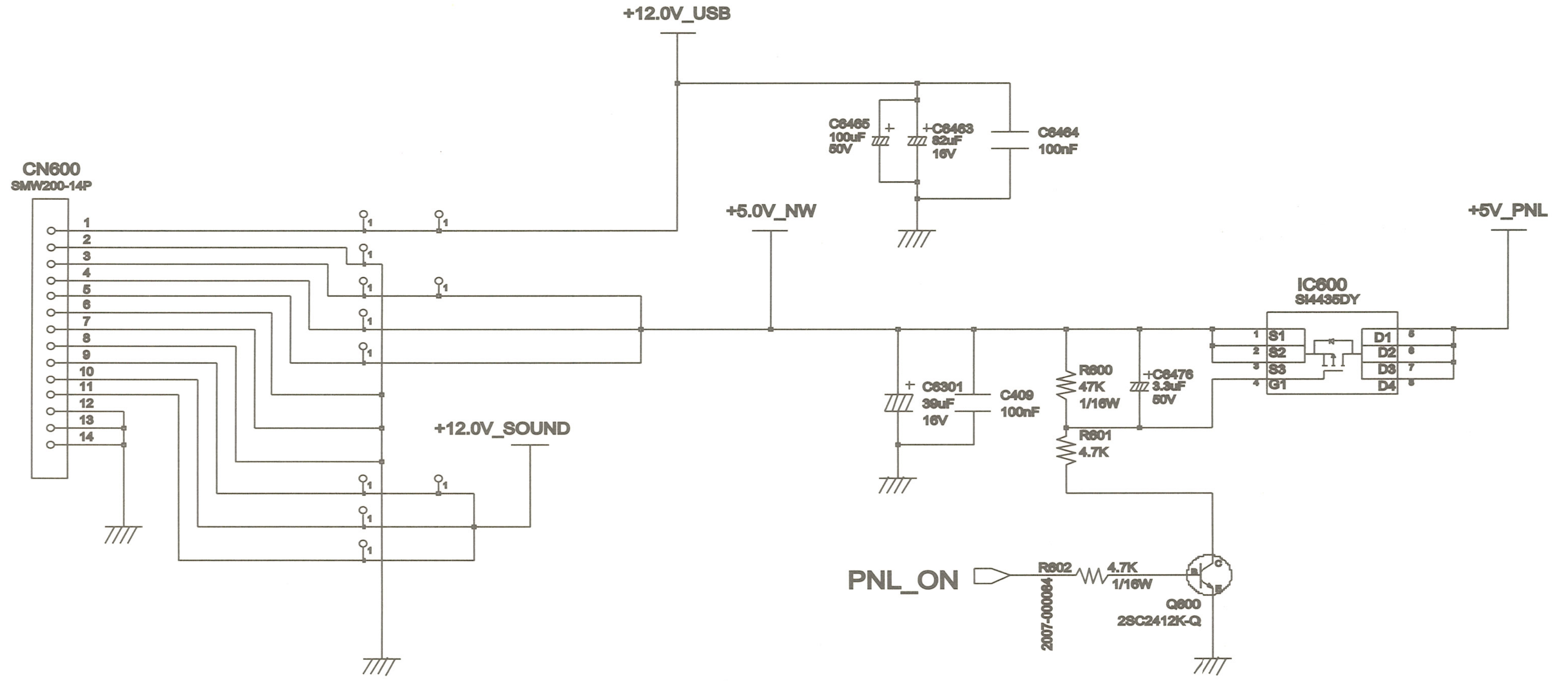
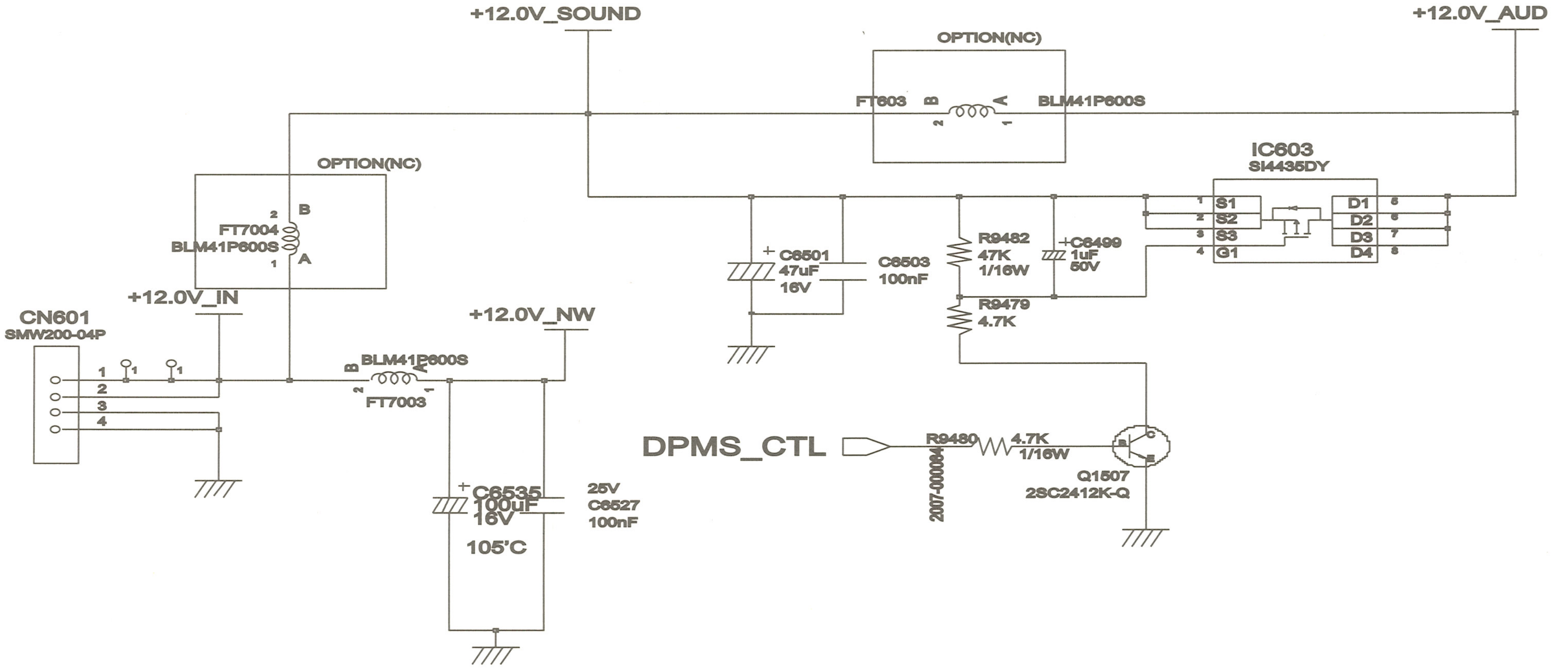
9-1 Power 1 Schematics Diagram

CN 600
connect to SMPS (14P)


+12.0V_USB
C6465
100uF
50V
C6463
82uF
16V
C6464
100nF
CN600
SMW200-14P
1
2
3
4
5
6
7
8
9
10
11
12
13
14
+5.0V_NW
+5V_PNL
IC600
SI4435DY
S1
S2
S3
G1
D1
D2
D3
D4
C6301
39uF
16V
C409
100nF
R600
47K
1/16W
C6476
3.3uF
50V
R601
4.7K
+12.0V_SOUND
PNL_ON
R602
4.7K
1/16W
2007-000084
Q600
2SC2412K-Q

CN 600
connect to SMPS(4p)


+12.0V_SOUND
+12.0V_AUD
OPTION(NC)
FT603
BLM41P600S
OPTION(NC)
FT7004
BLM41P600S
IC603
SI4435DY
S1
S2
S3
G1
D1
D2
D3
D4
C6501
47uF
16V
C6503
100nF
R9482
47K
1/16W
C6499
1uF
50V
R9479
4.7K
+12.0V_IN
CN601
SMW200-04P
1
2
3
4
+12.0V_NW
BLM41P600S
FT7003
DPMS_CTL
R9480
4.7K
1/16W
2007-000084
Q1507
2SC2412K-Q
C6535
100uF
16V
105'C
25V
C6527
100nF

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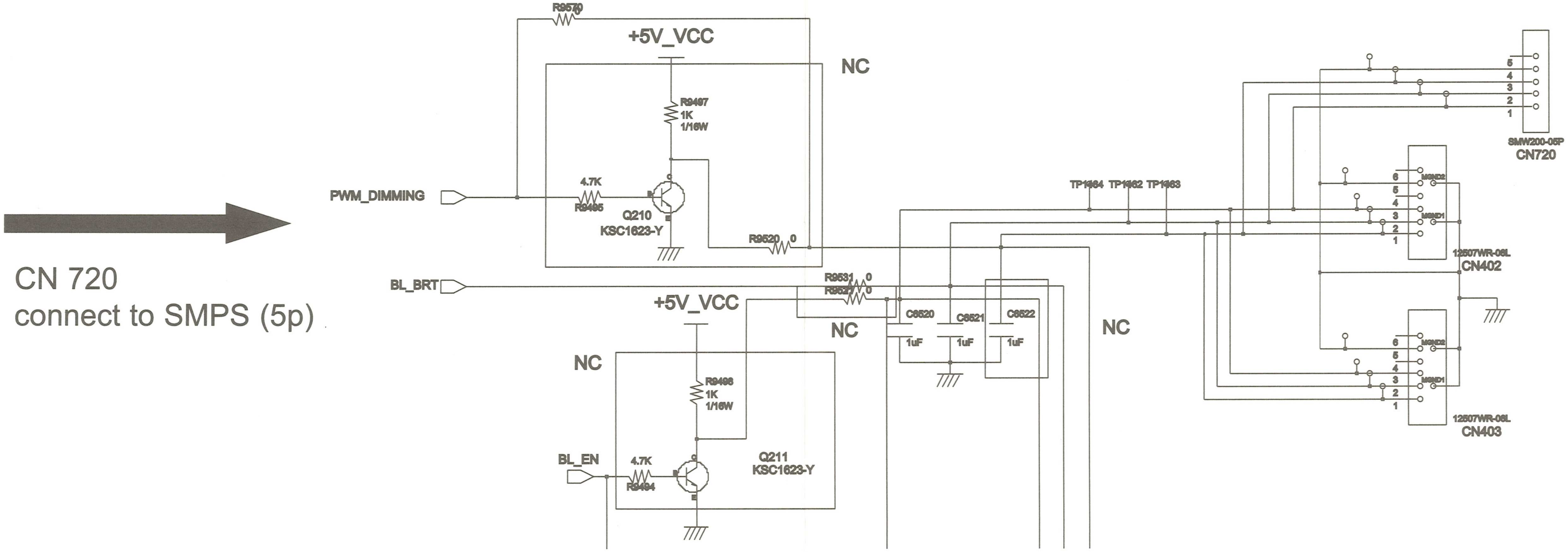
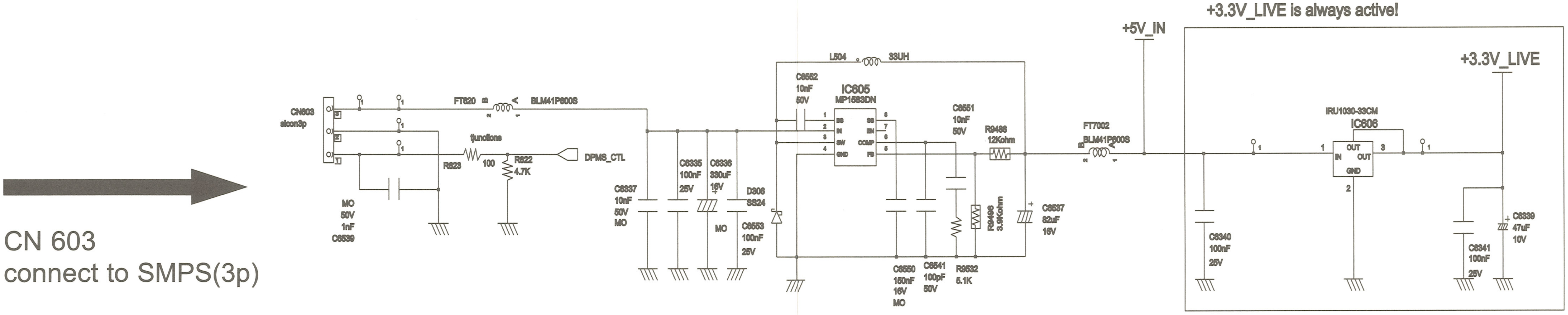
9-2 Power 1 Schematics Diagram


R9570
+5V_VCC
NC
R9497
1K
1/16W
4.7K
PWM_DIMMING
R9495
Q210
KSC1623-Y
R9520 0
BL_BRT
R9531 0
R9522 0
+5V_VCC
NC
C6520
1uF
C6521
1uF
C6522
1uF
NC
NC
R9498
1K
1/16W
BL_EN
4.7K
R9494
Q211
KSC1623-Y
TP1464 TP1462 TP1463
5
4
3
2
1
SMW200-05P
CN720
6
5
4
3
2
1
MGND2
MGND1
12507WR-06L
CN402
6
5
4
3
2
1
MGND2
MGND1
12507WR-06L
CN403

CN 720
connect to SMPS (5p)


CN603
sicon3p
FT620
BLM41P600S
functions
R623
100
R622
4.7K
DPMS_CTL
MO
50V
1nF
C6539
C6337
10nF
50V
MO
C6335
100nF
25V
C6336
330uF
16V
MO
D306
SS24
C6553
100nF
25V
L504
33UH
C6552
10nF
50V
IC605
MP1583DN
1 BS
2 IN
3 SW
4 GND
8 SS
7 EN
6 COMP
5 FB
C6551
10nF
50V
R9486
12Kohm
R9496
3.9Kohm
C6537
82uF
16V
C6550
150nF
16V
MO
C6541
100pF
50V
R9532
5.1K
+5V_IN
FT7002
BLM41P600S
+3.3V_LIVE
IRU1030-33CM
IC606
IN
OUT
GND
1
3
2
C6340
100nF
25V
C6341
100nF
25V
C6339
47uF
10V

+3.3V_LIVE is always active!

CN 603
connect to SMPS(3p)

IC605
7V -> 5V

IC606
5V -> 3.3V

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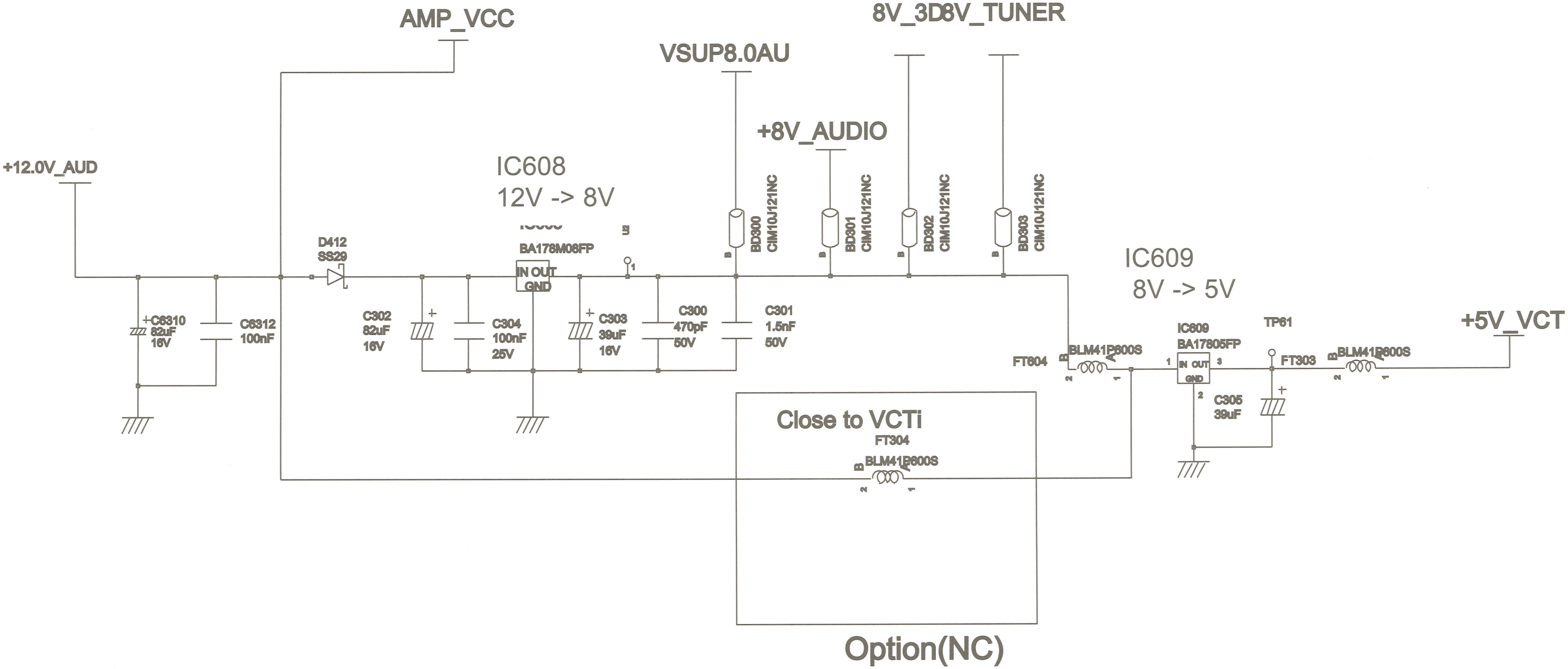
9-3 Power 1 Schematics Diagram


AMP_VCC
8V_3D8V_TUNER
VSUP8.0AU
+8V_AUDIO
+12.0V_AUD
IC608
12V -> 8V
D412
SS29
BA178M08FP
IN OUT
GND
U2
BD300
CIM10J121NC
BD301
CIM10J121NC
BD302
CIM10J121NC
BD303
CIM10J121NC
IC609
8V -> 5V
C6310
82uF
16V
C6312
100nF
C302
82uF
16V
C304
100nF
25V
C303
39uF
16V
C300
470pF
50V
C301
1.5nF
50V
FT604
BLM41P600S
IC609
BA17805FP
TP61
FT303
BLM41P600S
+5V_VCT
C305
39uF
Close to VCTi
FT304
BLM41P600S
Option(NC)

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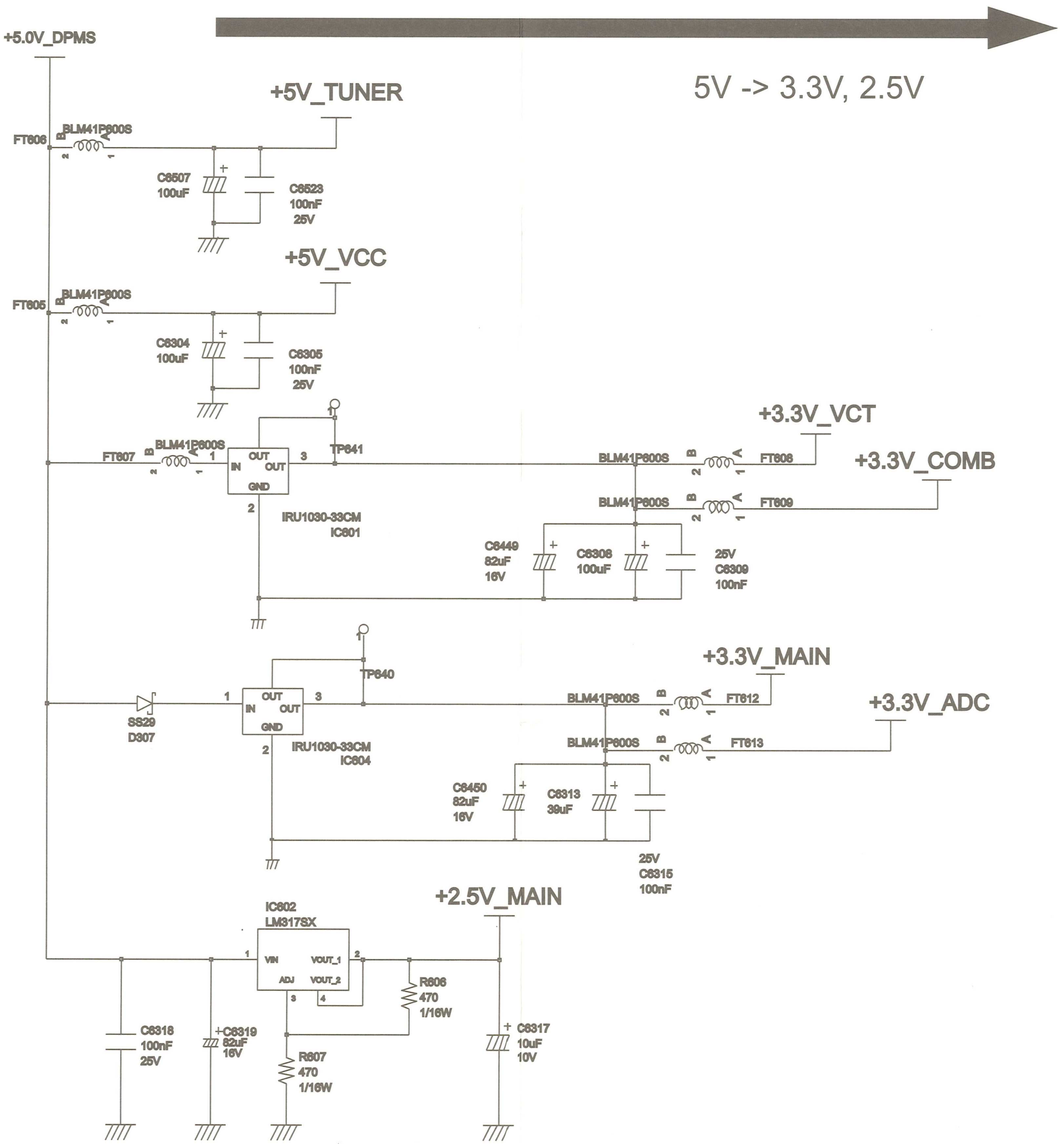
9-4 Power 1 Schematics Diagram


5V -> 3.3V, 2.5V
+5.0V_DPMS
+5V_TUNER
FT606
BLM41P600S
C6507
100uF
C6523
100nF
25V
+5V_VCC
FT605
BLM41P600S
C6304
100uF
C6305
100nF
25V
FT607
BLM41P600S
OUT
IN
OUT
GND
TP641
IRU1030-33CM
IC601
+3.3V_VCT
+3.3V_COMB
BLM41P600S
FT608
BLM41P600S
FT609
C6449
82uF
16V
C6308
100uF
25V
C6309
100nF
TP640
SS29
D307
IRU1030-33CM
IC604
+3.3V_MAIN
+3.3V_ADC
BLM41P600S
FT612
BLM41P600S
FT613
C6450
82uF
16V
C6313
39uF
25V
C6315
100nF
IC602
LM317SX
VIN
VOUT_1
ADJ
VOUT_2
+2.5V_MAIN
R606
470
1/16W
R607
470
1/16W
C6318
100nF
25V
C6319
82uF
16V
C6317
10uF
10V

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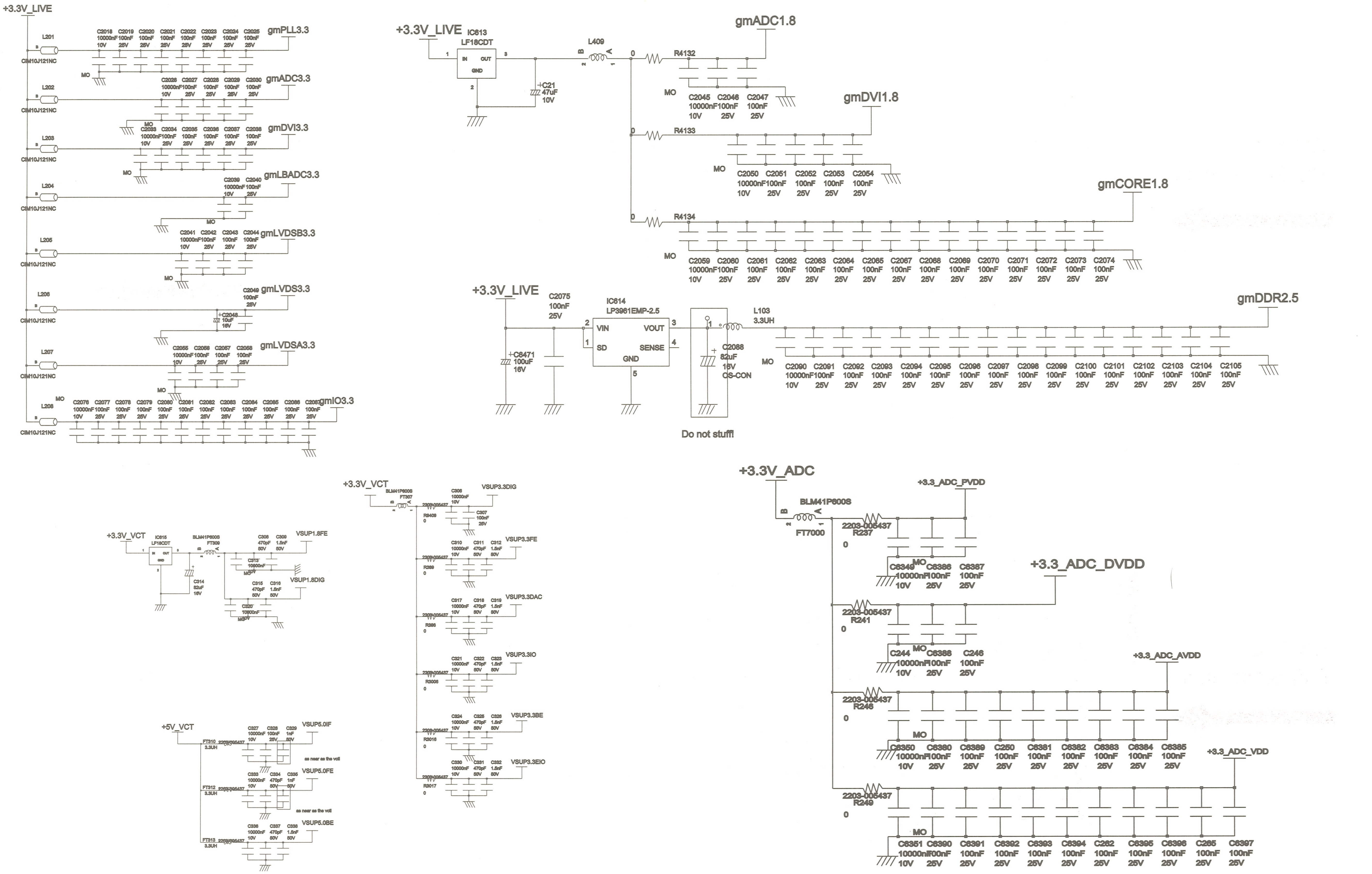
9-5 Power 2 Schematics Diagram


+3.3V_LIVE
L201
CIM10J121NC
C2018 10000nF 10V
C2019 C2020 C2021 C2022 C2023 C2024 C2025 100nF 25V
gmPLL3.3
MO
L202
CIM10J121NC
C2026 10000nF 10V
C2027 C2028 C2029 C2030 100nF 25V
gmADC3.3
L203
CIM10J121NC
C2033 10000nF 10V
C2034 C2035 C2036 C2037 C2038 100nF 25V
gmDVI3.3
L204
CIM10J121NC
C2039 10000nF 10V
C2040 100nF 25V
gmLBADC3.3
L205
CIM10J121NC
C2041 10000nF 10V
C2042 C2043 C2044 100nF 25V
gmLVDSB3.3
L206
CIM10J121NC
C2048 10uF 16V
C2049 100nF 25V
gmLVDS3.3
L207
CIM10J121NC
C2055 10000nF 10V
C2056 C2057 C2058 100nF 25V
gmLVDSA3.3
L208
CIM10J121NC
C2076 10000nF 10V
C2077 C2078 C2079 C2080 C2081 C2082 C2083 C2084 C2085 C2086 C2087 100nF 25V
gmIO3.3
+3.3V_LIVE
IC613
LF18CDT
IN OUT GND
C21 47uF 10V
L409
R4132
gmADC1.8
C2045 10000nF 10V
C2046 C2047 100nF 25V
R4133
gmDVI1.8
C2050 10000nF 10V
C2051 C2052 C2053 C2054 100nF 25V
R4134
gmCORE1.8
C2059 10000nF 10V
C2060 C2061 C2062 C2063 C2064 C2065 C2067 C2068 C2069 C2070 C2071 C2072 C2073 C2074 100nF 25V
+3.3V_LIVE
C2075 100nF 25V
C6471 100uF 16V
IC614
LP3961EMP-2.5
VIN SD VOUT SENSE GND
C2088 82uF 16V OS-CON
Do not stuff!
L103
3.3UH
gmDDR2.5
C2090 10000nF 10V
C2091 C2092 C2093 C2094 C2095 C2096 C2097 C2098 C2099 C2100 C2101 C2102 C2103 C2104 C2105 100nF 25V
+3.3V_VCT
IC615
LF18CDT
BLM41P600S
FT309
C308 470pF 50V
C309 1.5nF 50V
VSUP1.8FE
C313 10000nF 10V
C314 82uF 16V
C315 470pF 50V
C316 1.5nF 50V
VSUP1.8DIG
C320 10000nF 10V
+3.3V_VCT
BLM41P600S
FT307
C306 10000nF 10V
C307 100nF 25V
VSUP3.3DIG
R9409 0
C310 10000nF 10V
C311 470pF 50V
C312 1.5nF 50V
VSUP3.3FE
R389 0
C317 10000nF 10V
C318 470pF 50V
C319 1.5nF 50V
VSUP3.3DAC
R386 0
C321 10000nF 10V
C322 470pF 50V
C323 1.5nF 50V
VSUP3.3IO
R3006 0
C324 10000nF 10V
C325 470pF 50V
C326 1.5nF 50V
VSUP3.3BE
R3016 0
C330 10000nF 10V
C331 470pF 50V
C332 1.5nF 50V
VSUP3.3EIO
R3017 0
2203-005437
+5V_VCT
FT310 3.3UH
C327 10000nF 10V
C328 100nF 25V
C329 1nF 50V
VSUP5.0IF
as near as the vcif
FT312 3.3UH
C333 10000nF 10V
C334 470pF 50V
C335 1nF 50V
VSUP5.0FE
as near as the vcif
FT313 3.3UH
C336 10000nF 10V
C337 470pF 50V
C338 1.5nF 50V
VSUP5.0BE
+3.3V_ADC
BLM41P600S
FT7000
2203-005437
R237 0
+3.3_ADC_PVDD
C6349 10000nF 10V
C6386 C6387 100nF 25V
+3.3_ADC_DVDD
R241 0
C244 10000nF 10V
C6388 C246 100nF 25V
+3.3_ADC_AVDD
R246 0
C6350 10000nF 10V
C6360 C6389 C250 C6381 C6382 C6383 C6384 C6385 100nF 25V
+3.3_ADC_VDD
R249 0
C6351 10000nF 10V
C6390 C6391 C6392 C6393 C6394 C262 C6395 C6396 C265 C6397 100nF 25V
MO

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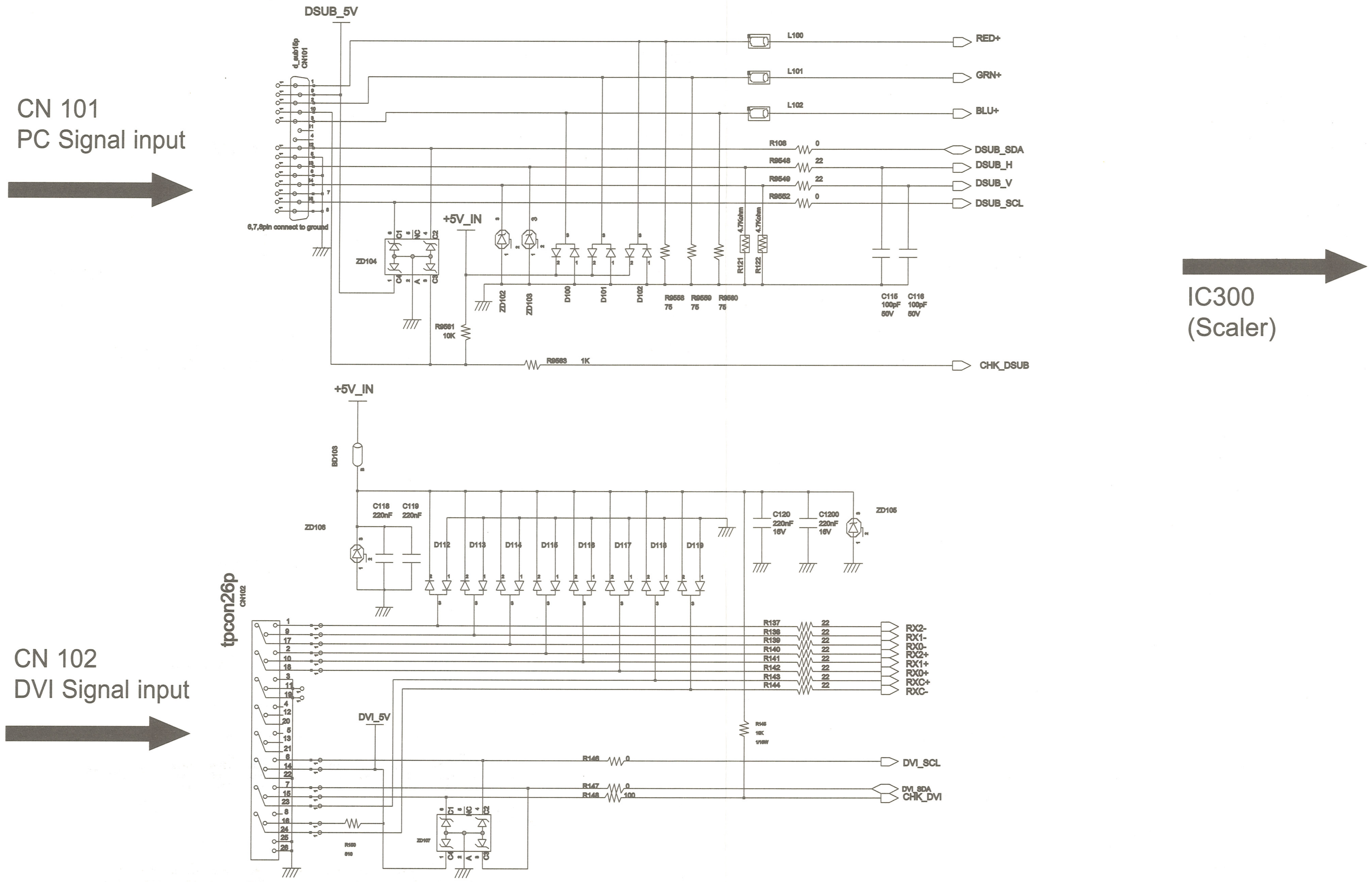
9-6 PC / DVI Input Schematics Diagram


CN 101
PC Signal input
CN 102
DVI Signal input
IC300
(Scaler)
DSUB_5V
d_sub15p
CN101
6,7,8pin connect to ground
ZD104
C1
NC
C2
C4
A
C3
+5V_IN
R9561
10K
ZD102
ZD103
D100
D101
D102
R9558
75
R9559
75
R9560
75
4.7Kohm
R121
4.7Kohm
R122
C115
100pF
50V
C116
100pF
50V
L100
L101
L102
RED+
GRN+
BLU+
R108
0
DSUB_SDA
R9548
22
DSUB_H
R9549
22
DSUB_V
R9552
0
DSUB_SCL
R9563
1K
CHK_DSUB
+5V_IN
BD103
C118
220nF
C119
220nF
ZD106
D112
D113
D114
D115
D116
D117
D118
D119
C120
220nF
16V
C1200
220nF
16V
ZD105
tpcon26p
CN102
R137
R138
R139
R140
R141
R142
R143
R144
22
RX2-
RX1-
RX0-
RX2+
RX1+
RX0+
RXC+
RXC-
DVI_5V
R145
10K
1/16W
R146
0
DVI_SCL
R147
0
DVI_SDA
R148
100
CHK_DVI
R150
510
ZD107

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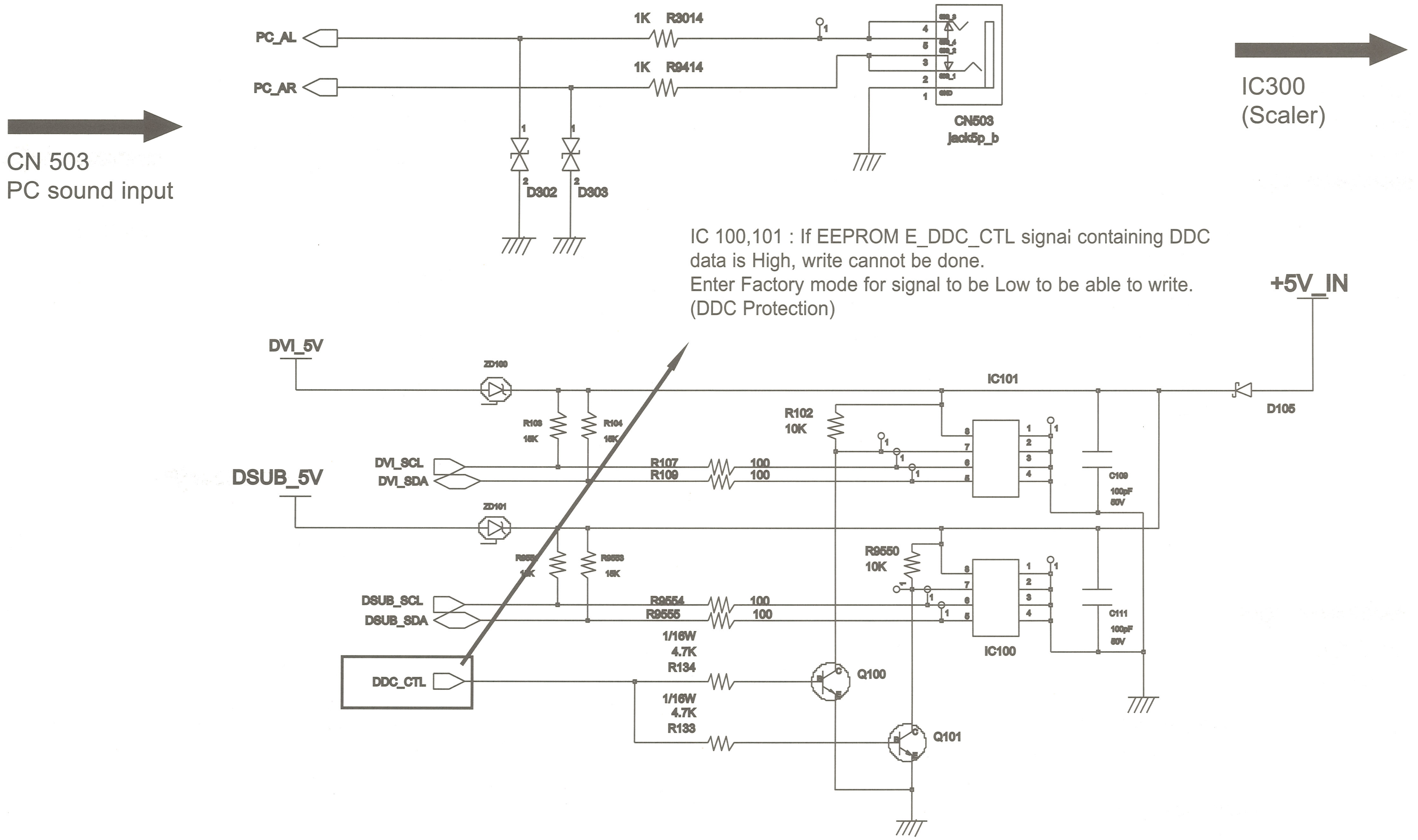
9-7 PCInput Schematics Diagram



CN 503
PC sound input

IC300
(Scaler)

IC 100,101 : If EEPROM E_DDC_CTL signai containing DDC data is High, write cannot be done.
Enter Factory mode for signal to be Low to be able to write.
(DDC Protection)

PC_AL
PC_AR
1K R3014
1K R9414
D302
D303
CN503
jack5p_b
+5V_IN
DVI_5V
ZD100
R103 15K
R104 15K
DVI_SCL
DVI_SDA
R107 100
R109 100
R102 10K
IC101
D105
C109 100pF 50V
DSUB_5V
ZD101
15K
R9553 15K
DSUB_SCL
DSUB_SDA
R9554 100
R9555 100
R9550 10K
IC100
C111 100pF 50V
DDC_CTL
1/16W 4.7K R134
Q100
1/16W 4.7K R133
Q101

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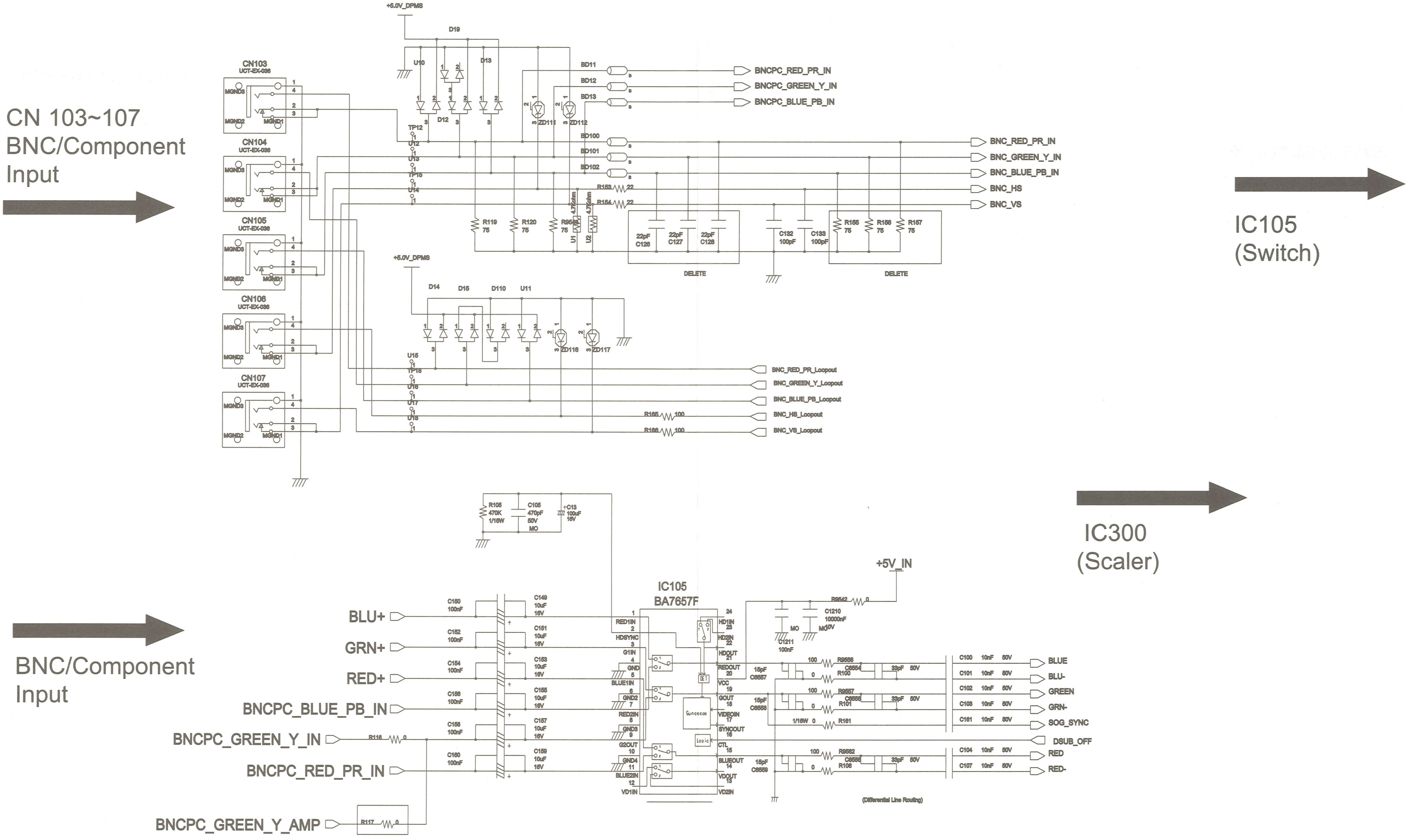
9-8 BNC / Component Input Schematics Diagram


CN 103~107
BNC/Component
Input
IC105
(Switch)
IC300
(Scaler)
BNC/Component
Input
+5.0V_DPMS
CN103 UCT-EX-036
CN104 UCT-EX-036
CN105 UCT-EX-036
CN106 UCT-EX-036
CN107 UCT-EX-036
BNCPC_RED_PR_IN
BNCPC_GREEN_Y_IN
BNCPC_BLUE_PB_IN
BNC_RED_PR_IN
BNC_GREEN_Y_IN
BNC_BLUE_PB_IN
BNC_HS
BNC_VS
DELETE
DELETE
BNC_RED_PR_Loopout
BNC_GREEN_Y_Loopout
BNC_BLUE_PB_Loopout
BNC_HS_Loopout
BNC_VS_Loopout
IC105
BA7657F
+5V_IN
BLU+
GRN+
RED+
BNCPC_BLUE_PB_IN
BNCPC_GREEN_Y_IN
BNCPC_RED_PR_IN
BNCPC_GREEN_Y_AMP
BLUE
BLU-
GREEN
GRN-
SOG_SYNC
DSUB_OFF
RED
RED-
(Differential Line Routing)

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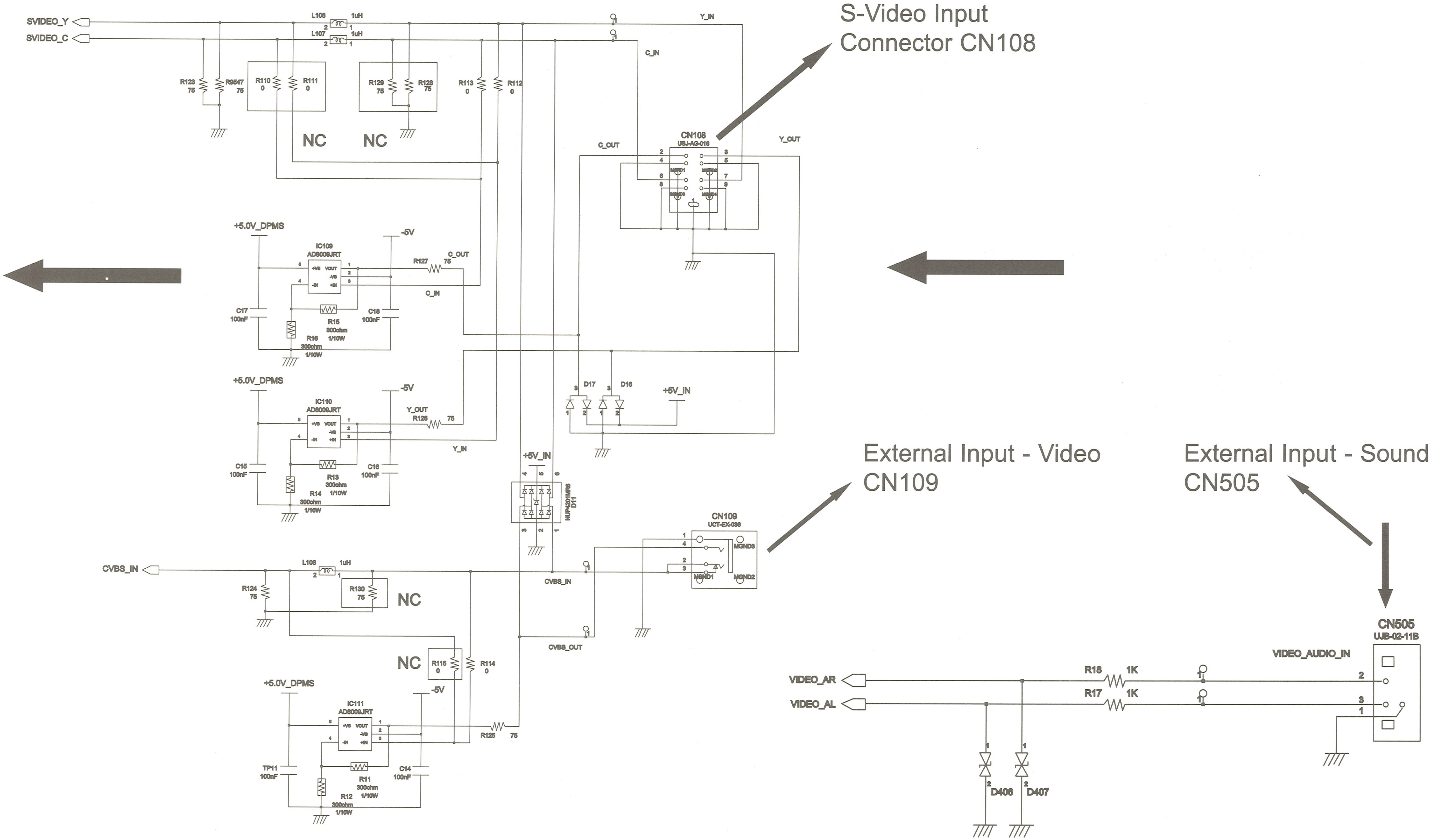
9-9 Video Input Schematics Diagram


SVIDEO_Y
SVIDEO_C
L106 1uH
L107 1uH
R123 75
R9547 75
R110 0
R111 0
R129 75
R128 75
R113 0
R112 0
NC
NC
Y_IN
C_IN
CN108
USJ-AG-016
C_OUT
Y_OUT
+5.0V_DPMS
IC109
AD8009JRT
-5V
R127 75
C_OUT
C_IN
C17 100nF
C18 100nF
R15 300ohm 1/10W
R16 300ohm 1/10W
+5.0V_DPMS
IC110
AD8009JRT
-5V
Y_OUT
R126 75
Y_IN
C15 100nF
C16 100nF
R13 300ohm 1/10W
R14 300ohm 1/10W
D17
D16
+5V_IN
+5V_IN
NUP4201MR6
D11
CN109
UCT-EX-036
MGND3
MGND1
MGND2
CVBS_IN
L108 1uH
R124 75
R130 75
NC
CVBS_IN
CVBS_OUT
NC
R115 0
R114 0
+5.0V_DPMS
IC111
AD8009JRT
-5V
R125 75
TP11 100nF
C14 100nF
R11 300ohm 1/10W
R12 300ohm 1/10W
CN505
UJB-02-11B
VIDEO_AUDIO_IN
VIDEO_AR
VIDEO_AL
R18 1K
R17 1K
D406
D407

S-Video Input
Connector CN108

External Input - Video
CN109

External Input - Sound
CN505

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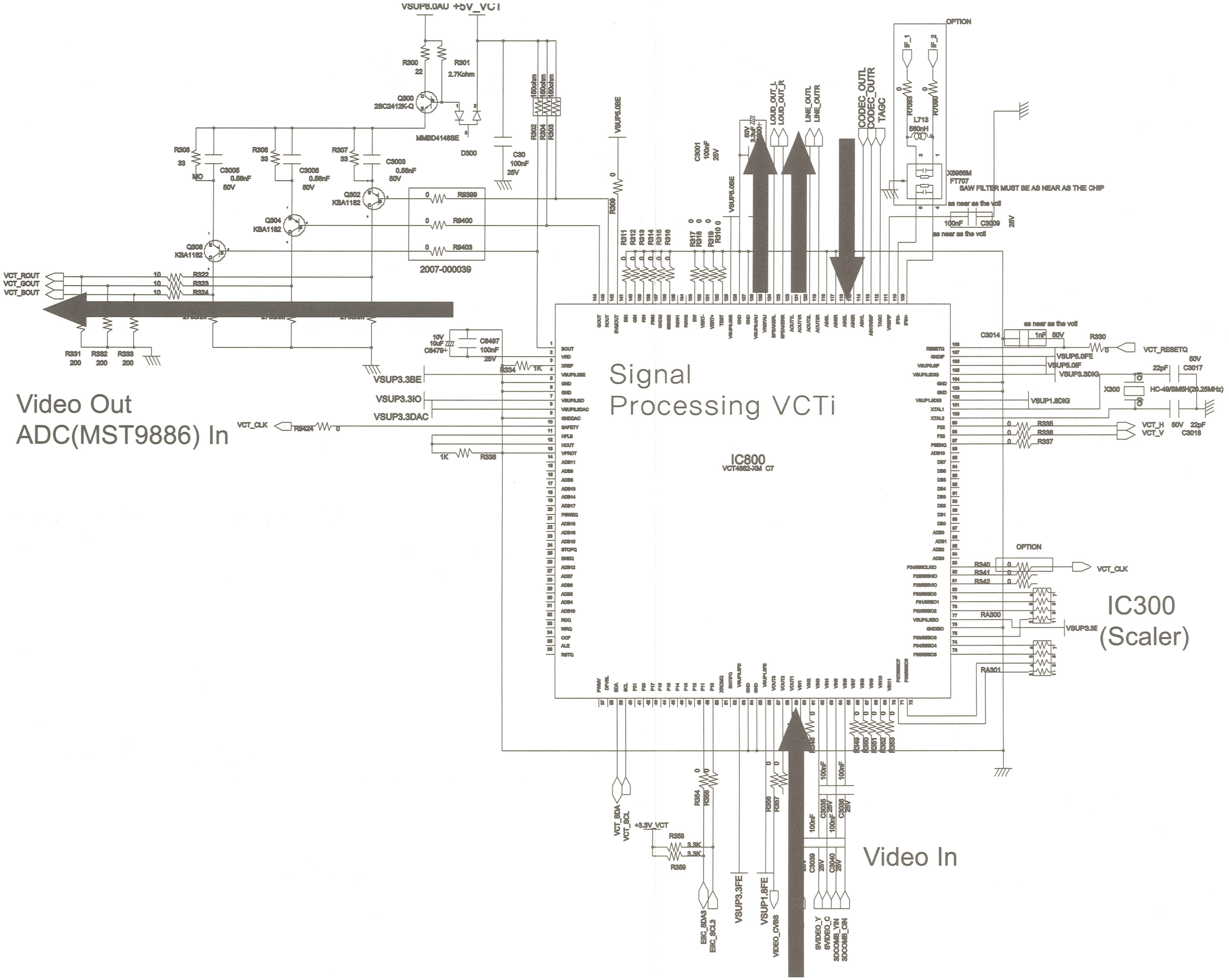
9-10 Signal Processing VCTi Schematics Diagram


VSUP5.0AU
+5V_VCT
R300
22
R301
2.7Kohm
Q300
2SC2412K-Q
MMBD4148SE
D300
C30
100nF
25V
R302
R304
R303
150ohm
R308
33
C3005
0.56nF
50V
R306
33
C3006
0.56nF
50V
R307
33
C3003
0.56nF
50V
Q302
KSA1182
Q304
KSA1182
Q306
KSA1182
R9399
R9400
R9403
2007-000039
VCT_ROUT
VCT_GOUT
VCT_BOUT
R322
R323
R324
R331
200
R332
200
R333
200
VSUP5.0BE
R309
C3001
100nF
25V
R311
R312
R313
R314
R315
R316
R317
R318
R319
R310
LOUD_OUT_L
LOUD_OUT_R
LINE_OUTL
LINE_OUTR
CODEC_OUTL
CODEC_OUTR
TAGC
OPTION
IF_1
IF_2
L713
560nH
X6966M
FT707
SAW FILTER MUST BE AS NEAR AS THE CHIP
as near as the vct
100nF
C3009
25V
C3014
as near as the vct
1nF 50V
R330
VCT_RESETQ
VSUP5.0FE
VSUP5.0IF
VSUP3.3DIG
22pF
C3017
50V
X300
HC-49/SM5H(20.25MHz)
VSUP1.8DIG
R335
R336
R337
VCT_H
VCT_V
50V
22pF
C3018
IC105
(Switch)
C8497
100nF
25V
10V
10uF
C8479
R334
1K
VSUP3.3BE
VSUP3.3IO
VSUP3.3DAC
VCT_CLK
R8424
R338
1K
Video Out
ADC(MST9886) In
Signal
Processing VCTi
IC800
VCT4862-XM C7
OPTION
R340
R341
R342
VCT_CLK
RA300
VSUP3.3E
RA301
IC300
(Scaler)
R348
R349
R350
R351
R352
R353
VCT_SDA
VCT_SCL
+3.3V_VCT
R358
3.3K
3.3K
R359
R354
R355
EIIC_SDA3
EIIC_SCL3
VSUP3.3FE
R356
R357
VSUP1.8FE
VIDEO_CVBS
C3035
100nF
25V
C3036
100nF
25V
C3039
C3040
SVIDEO_Y
SVIDEO_C
3DCOMB_YIN
3DCOMB_CIN
Video In

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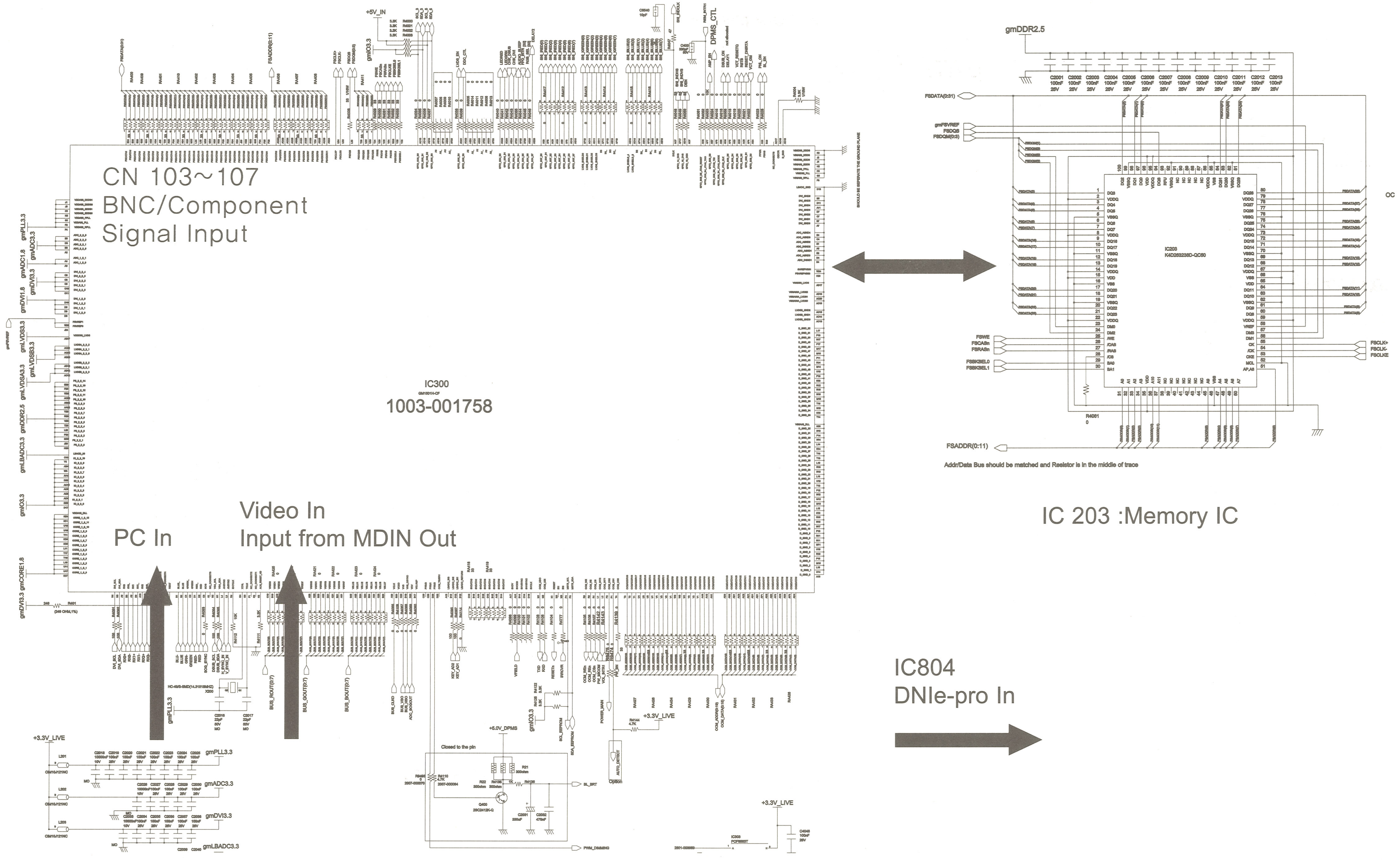
9-11 Scaler gm1501H VCTi Schematics Diagram


CN 103~107
BNC/Component
Signal Input
IC300
GM1501H-CF
1003-001758
PC In
Video In
Input from MDIN Out
IC 203 :Memory IC
IC804
DNIe-pro In
gmDDR2.5
IC203
K4D263238D-QC50
FSDATA(0:31)
FSADDR(0:11)
Addr/Data Bus should be matched and Resistor is in the middle of trace
+5V_IN
DPMS_CTL
+3.3V_LIVE
gmPLL3.3
gmADC3.3
gmDVI3.3
gmLBADC3.3
gmIO3.3
+5.0V_DPMS
Closed to the pin
BL_BRT
PWM_DIMMING
R4081
0

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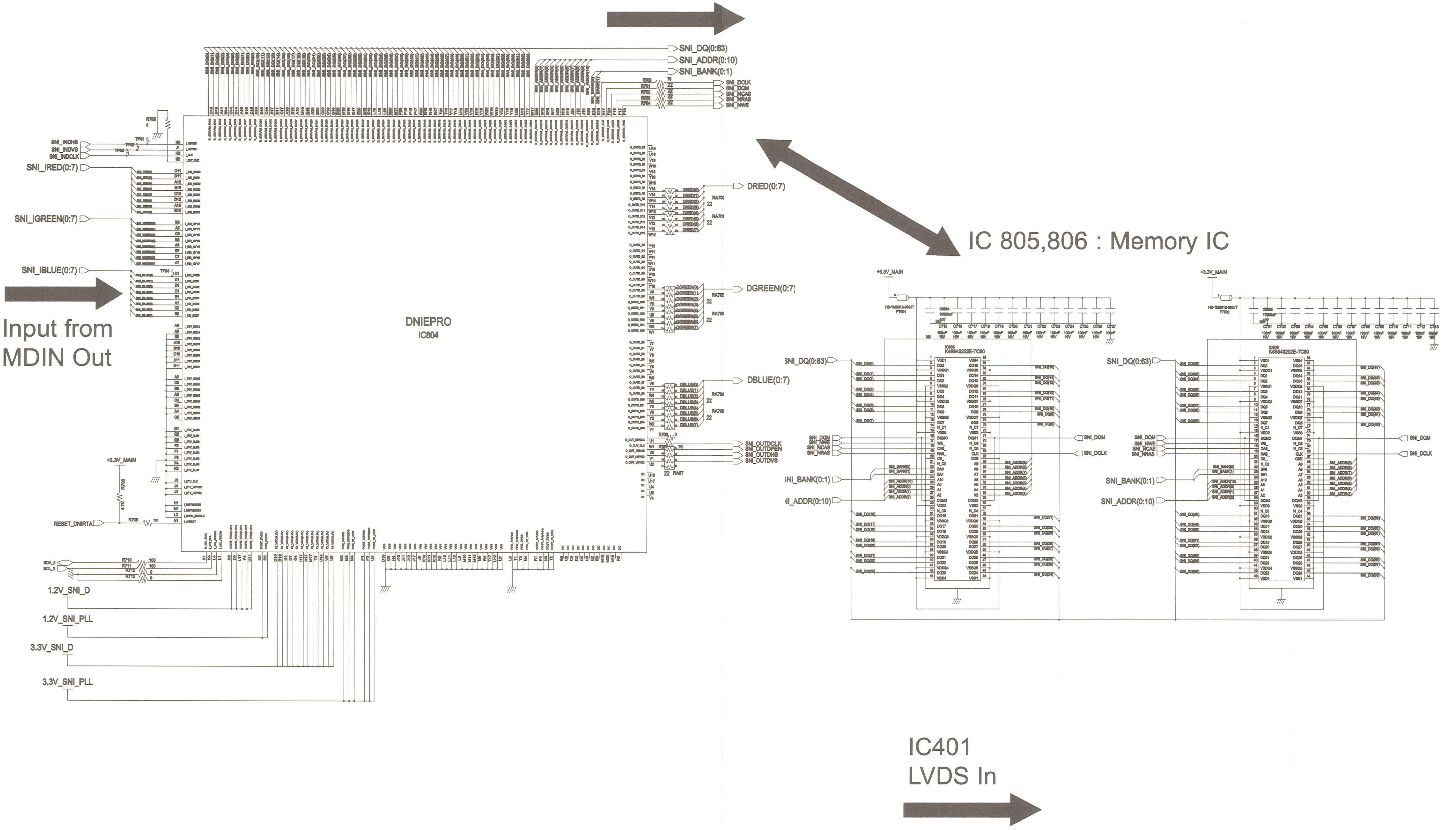
9-12 DNIe-pro Schematics Diagram


SNI_DQ(0:63)
SNI_ADDR(0:10)
SNI_BANK(0:1)
SNI_DCLK
SNI_DQM
SNI_NCAS
SNI_NRAS
SNI_NWE
SNI_INDHS
SNI_INDVS
SNI_INDCLK
SNI_IRED(0:7)
SNI_IGREEN(0:7)
SNI_IBLUE(0:7)
Input from
MDIN Out
DNIEPRO
IC804
DRED(0:7)
DGREEN(0:7)
DBLUE(0:7)
SNI_OUTDCLK
SNI_OUTDPEN
SNI_OUTDHS
SNI_OUTDVS
+3.3V_MAIN
RESET_DNIRTA
R709
SDA_3
SCL_3
R710
R711
R712
R713
1.2V_SNI_D
1.2V_SNI_PLL
3.3V_SNI_D
3.3V_SNI_PLL
IC 805,806 : Memory IC
+3.3V_MAIN
IC805
K4S643232E-TC60
IC806
K4S643232E-TC60
SNI_DQ(0:63)
SNI_DQM
SNI_NWE
SNI_NCAS
SNI_NRAS
SNI_DQM
SNI_DCLK
SNI_BANK(0:1)
SNI_ADDR(0:10)
IC401
LVDS In

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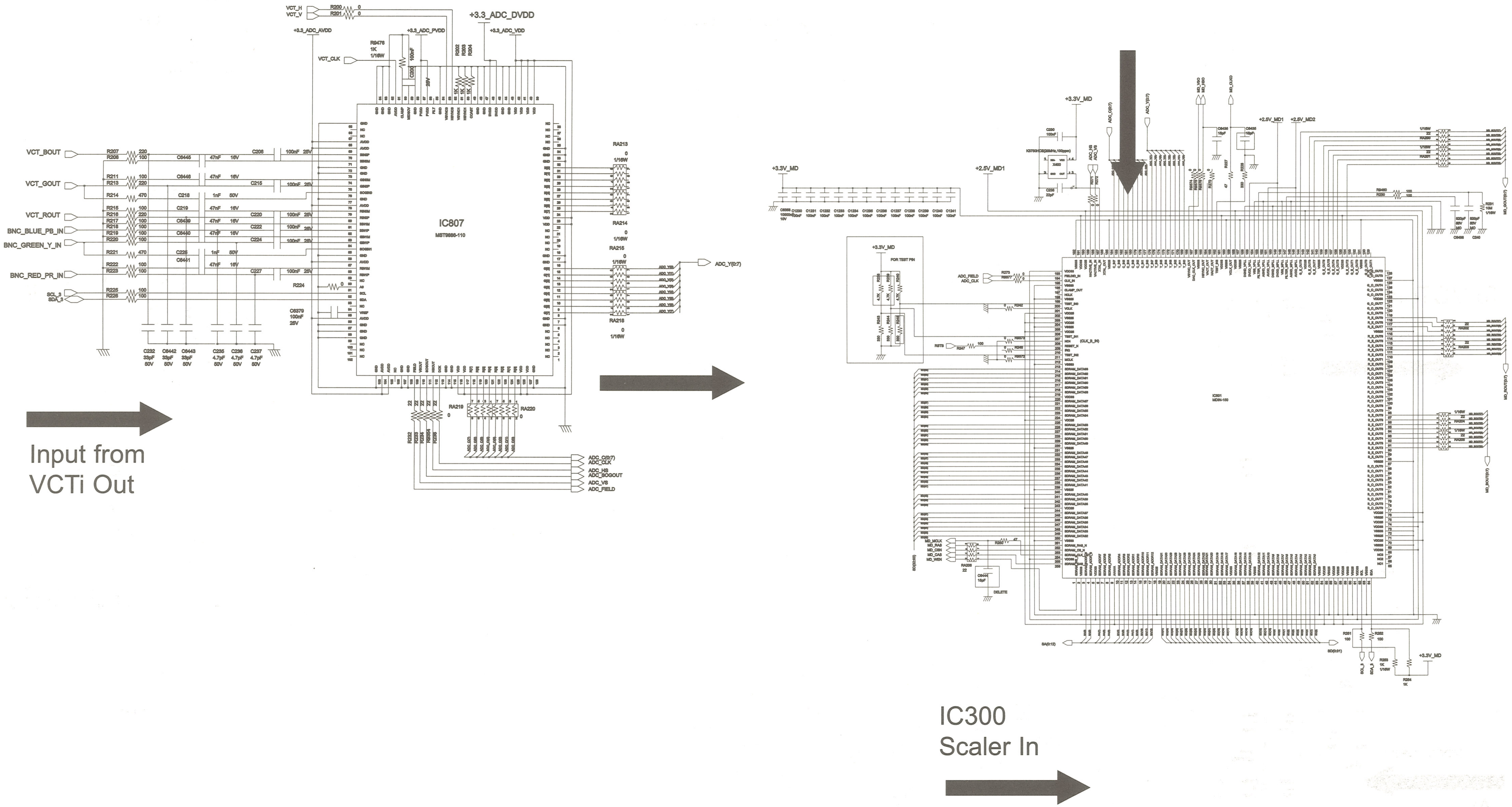
9-13 ADC (MST9886), MDIN-150 Schematics Diagram


VCT_H
VCT_V
VCT_CLK
+3.3_ADC_DVDD
+3.3_ADC_AVDD
+3.3_ADC_PVDD
+3.3_ADC_VDD
VCT_BOUT
VCT_GOUT
VCT_ROUT
BNC_BLUE_PB_IN
BNC_GREEN_Y_IN
BNC_RED_PR_IN
SCL_3
SDA_3
IC807
MST9886-110
ADC_Y(0:7)
ADC_C(0:7)
ADC_CLK
ADC_HS
ADC_SOGOUT
ADC_VS
ADC_FIELD
+3.3V_MD
+2.5V_MD1
+2.5V_MD2
MDIN-150
Input from VCTi Out
IC300
Scaler In

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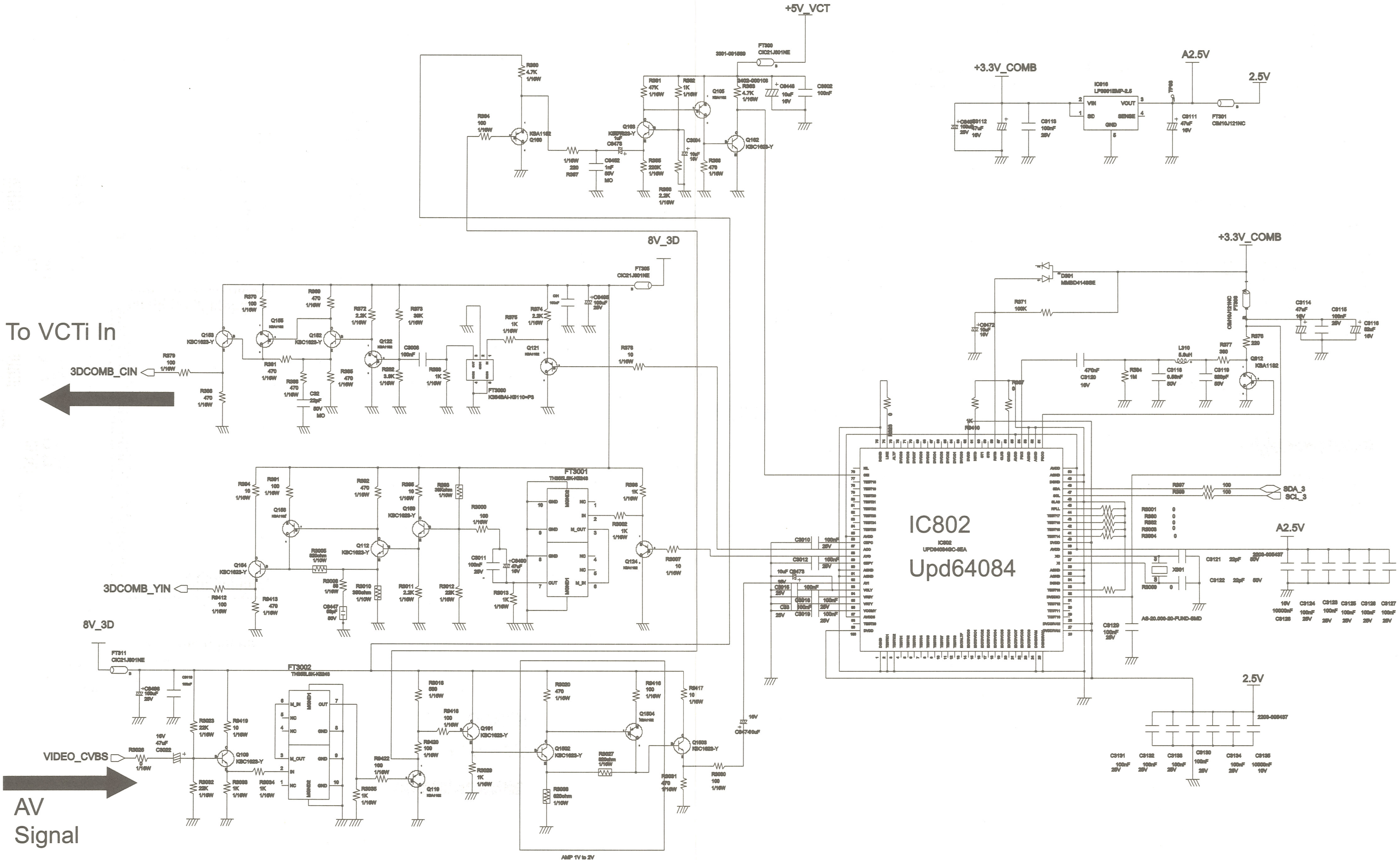
9-14 ADC (MST9886), MDIN-150 Schematics Diagram


+5V_VCT
FT300
+3.3V_COMB
A2.5V
2.5V
8V_3D
FT305
To VCTi In
3DCOMB_CIN
+3.3V_COMB
D301
FT3001
3DCOMB_YIN
SDA_3
SCL_3
IC802
Upd64084
A2.5V
8V_3D
FT311
FT3002
VIDEO_CVBS
2.5V
AV
Signal
AMP 1V to 2V

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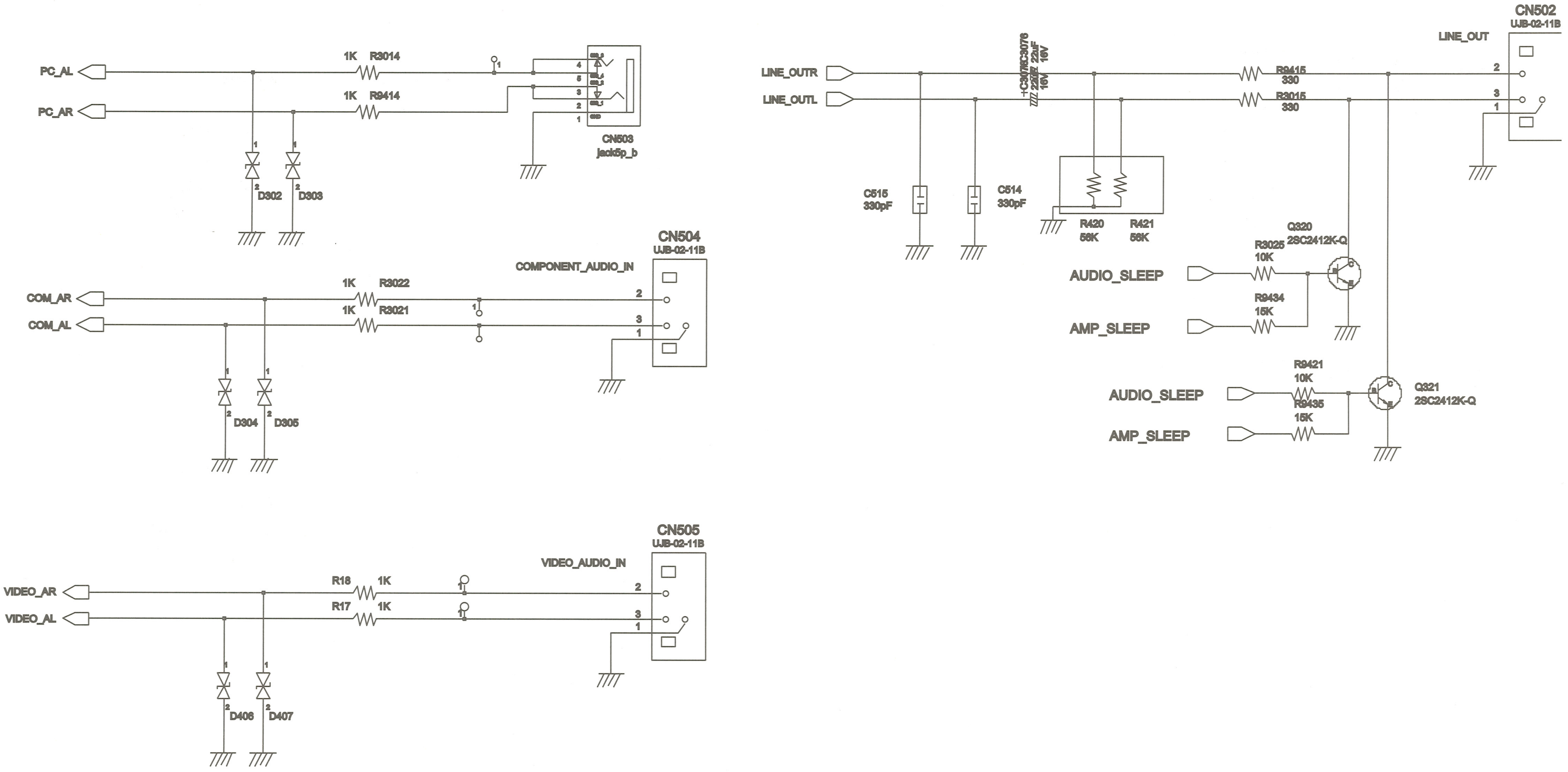
9-15 Audio (Input) Schematics Diagram


PC_AL
PC_AR
1K R3014
1K R9414
D302
D303
CN503
jack5p_b
CN504
UJB-02-11B
COMPONENT_AUDIO_IN
COM_AR
COM_AL
1K R3022
1K R3021
D304
D305
CN505
UJB-02-11B
VIDEO_AUDIO_IN
VIDEO_AR
VIDEO_AL
R18 1K
R17 1K
D406
D407
LINE_OUTR
LINE_OUTL
+C3075/C3076
220uF 22uF
16V 16V
C515
330pF
C514
330pF
R420
56K
R421
56K
R9415
330
R3015
330
CN502
UJB-02-11B
LINE_OUT
Q320
2SC2412K-Q
R3025
10K
AUDIO_SLEEP
R9434
15K
AMP_SLEEP
R9421
10K
AUDIO_SLEEP
R9435
15K
AMP_SLEEP
Q321
2SC2412K-Q

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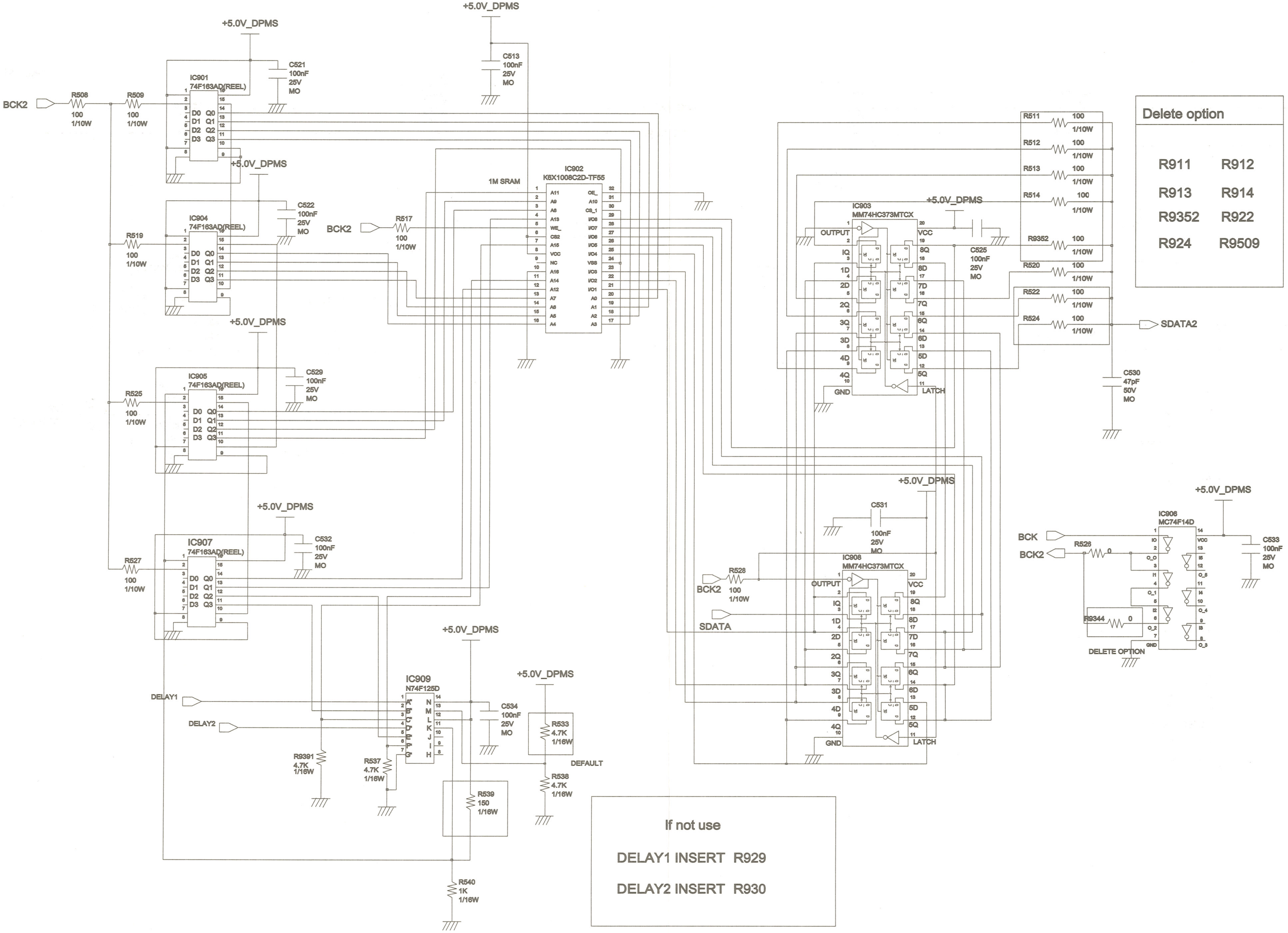
9-16 Audio (Lip_sync Circuit)) Schematics Diagram


+5.0V_DPMS
BCK2
R508
100
1/10W
R509
100
1/10W
IC901
74F163AD(REEL)
D0 Q0
D1 Q1
D2 Q2
D3 Q3
C521
100nF
25V
MO
C513
100nF
25V
MO
IC904
74F163AD(REEL)
R519
100
1/10W
C522
100nF
25V
MO
BCK2
R517
100
1/10W
1M SRAM
IC902
K6X1008C2D-TF55
IC905
74F163AD(REEL)
R525
100
1/10W
C529
100nF
25V
MO
IC907
74F163AD(REEL)
R527
100
1/10W
C532
100nF
25V
MO
DELAY1
DELAY2
IC909
N74F125D
R9391
4.7K
1/16W
R537
4.7K
1/16W
C534
100nF
25V
MO
R533
4.7K
1/16W
DEFAULT
R538
4.7K
1/16W
R539
150
1/16W
R540
1K
1/16W
IC903
MM74HC373MTCX
OUTPUT
VCC
GND
LATCH
C525
100nF
25V
MO
R511
R512
R513
R514
R9352
R520
R522
R524
100
1/10W
SDATA2
C530
47pF
50V
MO
C531
100nF
25V
MO
IC908
MM74HC373MTCX
R528
100
1/10W
SDATA
BCK
BCK2
R526
0
IC906
MC74F14D
R9344
0
DELETE OPTION
C533
100nF
25V
MO

Delete option

R911	R912
R913	R914
R9352	R922
R924	R9509

If not use

DELAY1 INSERT R929

DELAY2 INSERT R930

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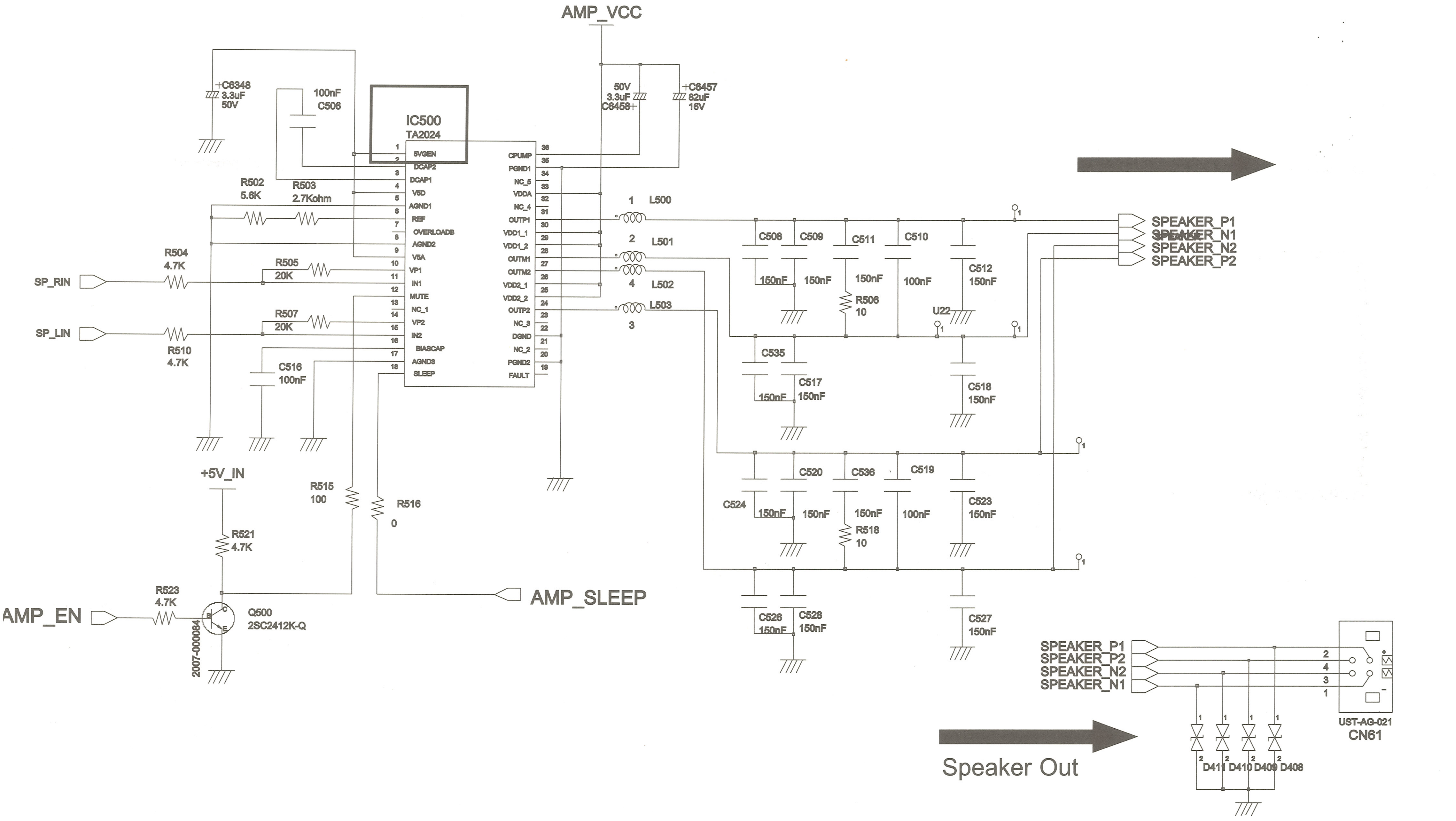
9-17 Audio AMP Schematics Diagram


AMP_VCC
C6348 3.3uF 50V
100nF C506
IC500 TA2024
5VGEN
DCAP2
DCAP1
V5D
AGND1
REF
OVERLOADB
AGND2
V5A
VP1
IN1
MUTE
NC_1
VP2
IN2
BIASCAP
AGND3
SLEEP
CPUMP
PGND1
NC_5
VDDA
NC_4
OUTP1
VDD1_1
VDD1_2
OUTM1
OUTM2
VDD2_1
VDD2_2
OUTP2
NC_3
DGND
NC_2
PGND2
FAULT
50V 3.3uF C6458
C6457 82uF 16V
R502 5.6K
R503 2.7Kohm
R504 4.7K
R505 20K
R507 20K
R510 4.7K
SP_RIN
SP_LIN
C516 100nF
L500
L501
L502
L503
C508 150nF
C509 150nF
C511 150nF
R506 10
C510 100nF
C512 150nF
U22
C535 150nF
C517 150nF
C518 150nF
C524 150nF
C520 150nF
C536 150nF
R518 10
C519 100nF
C523 150nF
C526 150nF
C528 150nF
C527 150nF
SPEAKER_P1
SPEAKER_N1
SPEAKER_N2
SPEAKER_P2
+5V_IN
R515 100
R516 0
R521 4.7K
R523 4.7K
AMP_EN
Q500 2SC2412K-Q
2007-000084
AMP_SLEEP
SPEAKER_P1
SPEAKER_P2
SPEAKER_N2
SPEAKER_N1
D411 D410 D409 D408
UST-AG-021
CN61
Speaker Out

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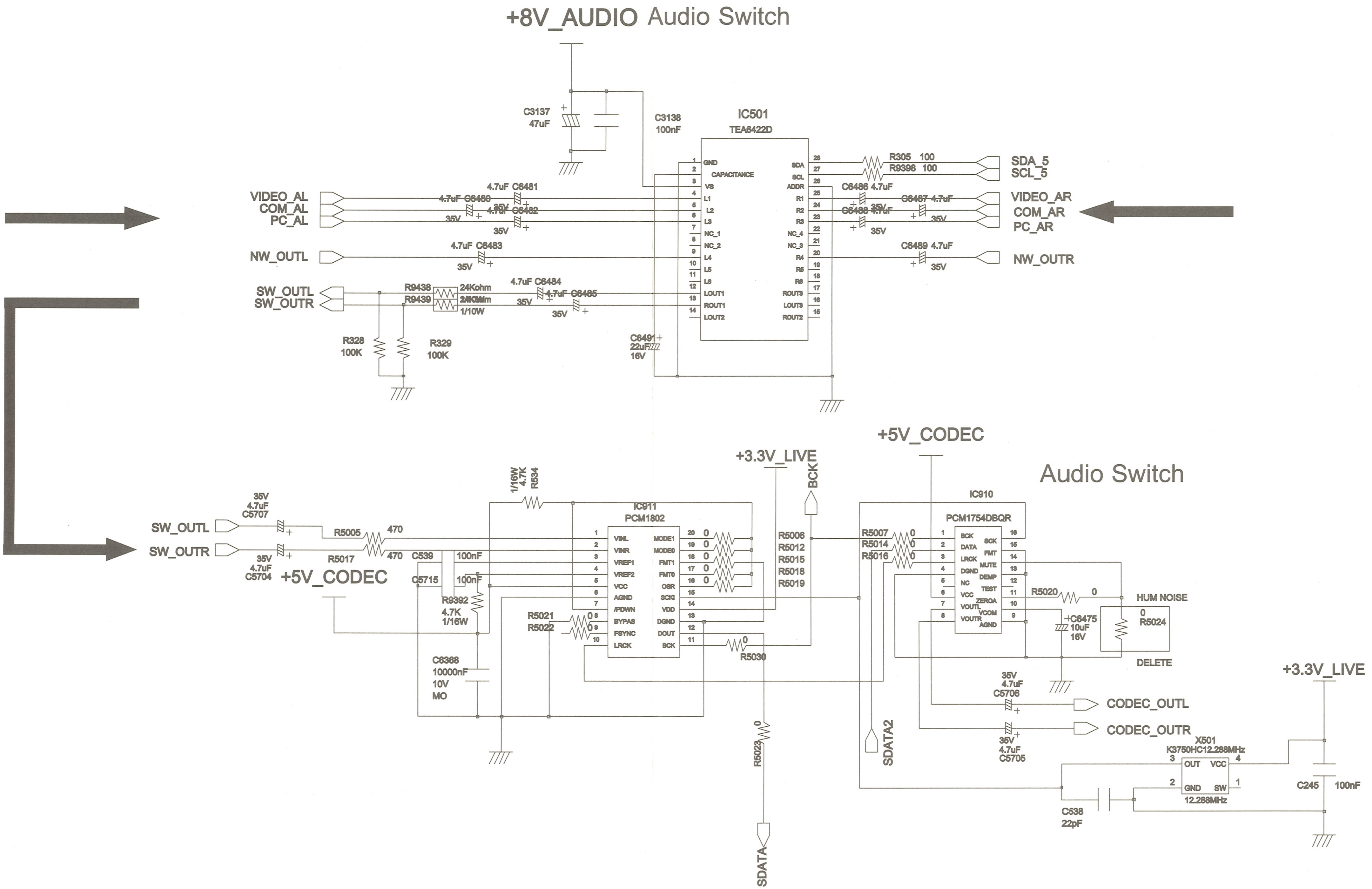
9-18 Audio AMP Schematics Diagram


+8V_AUDIO
Audio Switch
C3137 47uF
C3138 100nF
IC501 TEA6422D
GND
CAPACITANCE
VS
L1
L2
L3
NC_1
NC_2
L4
L5
L6
LOUT1
ROUT1
LOUT2
SDA
SCL
ADDR
R1
R2
R3
NC_4
NC_3
R4
R5
R6
ROUT3
LOUT3
ROUT2
R305 100
R9398 100
SDA_5
SCL_5
VIDEO_AL
COM_AL
PC_AL
NW_OUTL
SW_OUTL
SW_OUTR
VIDEO_AR
COM_AR
PC_AR
NW_OUTR
C6480
C6481
C6482
C6483
C6484
C6485
C6486
C6487
C6488
C6489
4.7uF
35V
R9438 24Kohm
R9439 24Kohm
1/10W
R328 100K
R329 100K
C6491 22uF 16V
+5V_CODEC
+3.3V_LIVE
BCK
Audio Switch
IC911 PCM1802
VINL
VINR
VREF1
VREF2
VCC
AGND
/PDWN
BYPAS
FSYNC
LRCK
MODE1
MODE0
FMT1
FMT0
OSR
SCKI
VDD
DGND
DOUT
BCK
R534 4.7K 1/16W
C5707 4.7uF 35V
C5704 4.7uF 35V
R5005 470
R5017 470
C539 100nF
C5715 100nF
R9392 4.7K 1/16W
C6368 10000nF 10V MO
R5021
R5022
R5030
R5023 0
SDATA
R5006
R5012
R5015
R5018
R5019
R5007 0
R5014 0
R5016 0
IC910 PCM1754DBQR
BCK
DATA
LRCK
DGND
NC
VCC
VOUTL
VOUTR
SCK
FMT
MUTE
DEMP
TEST
ZEROA
VCOM
AGND
R5020 0
HUM NOISE
R5024 0
DELETE
C6475 10uF 16V
C5706 4.7uF 35V
C5705 4.7uF 35V
CODEC_OUTL
CODEC_OUTR
SDATA2
X501 K3750HC12.288MHz
OUT
VCC
GND
SW
12.288MHz
C538 22pF
C245 100nF
+3.3V_LIVE

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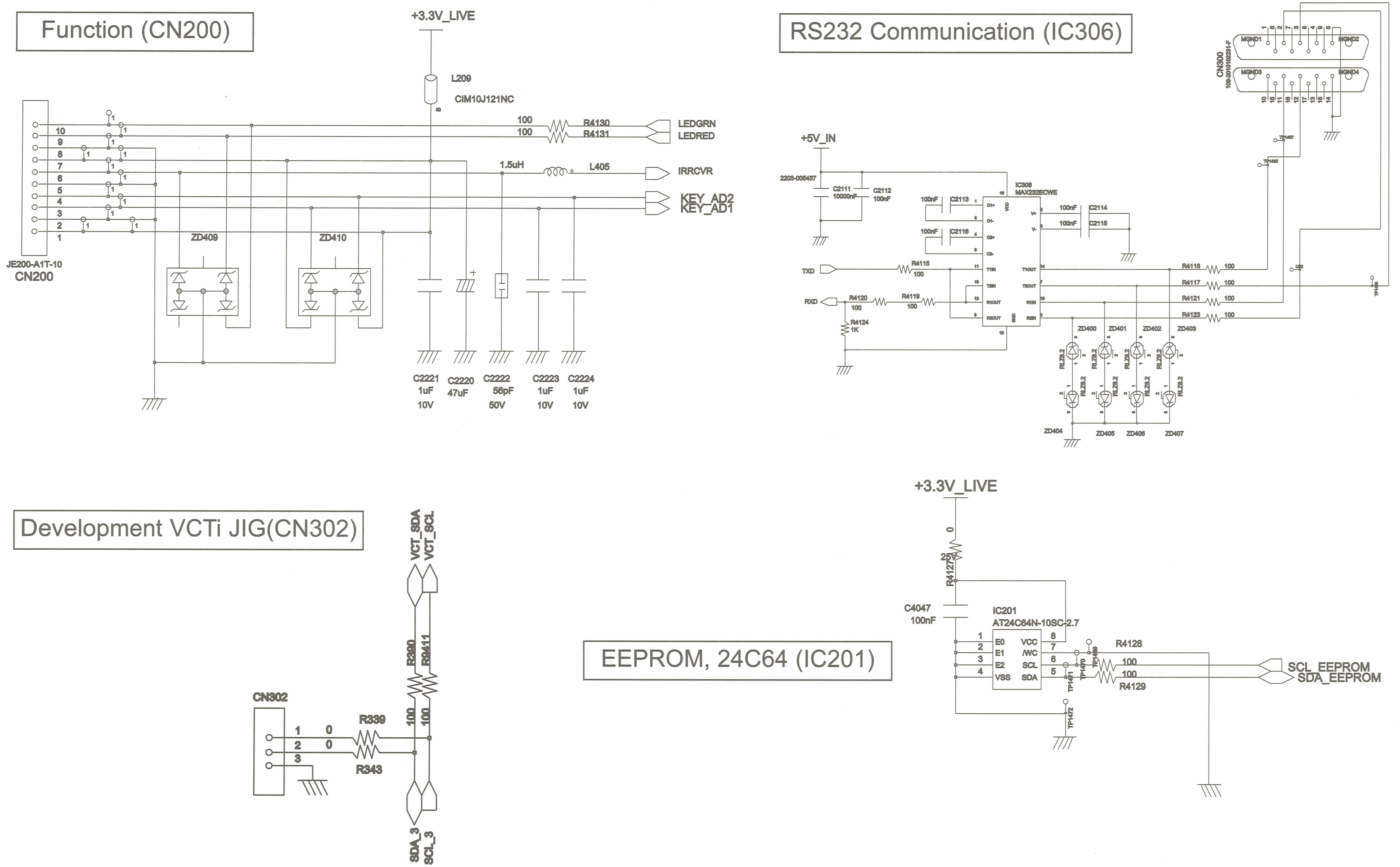
9-19 EPROM Schematics Diagram


Function (CN200)
+3.3V_LIVE
L209
CIM10J121NC
JE200-A1T-10
CN200
10
9
8
7
6
5
4
3
2
1
100
R4130
100
R4131
LEDGRN
LEDRED
1.5uH
L405
IRRCVR
KEY_AD2
KEY_AD1
ZD409
ZD410
C2221 1uF 10V
C2220 47uF
C2222 56pF 50V
C2223 1uF 10V
C2224 1uF 10V
RS232 Communication (IC306)
CN300
109-2010102231-F
MGND1
MGND2
MGND3
MGND4
+5V_IN
2203-005437
C2111 10000nF
C2112 100nF
IC306
MAX232ECWE
100nF C2113
100nF C2116
100nF C2114
100nF C2115
TXD
R4115 100
RXD
R4120 100
R4119 100
R4124 1K
R4116 100
R4117 100
R4121 100
R4123 100
ZD400
ZD401
ZD402
ZD403
ZD404
ZD405
ZD406
ZD407
Development VCTi JIG(CN302)
VCT_SDA
VCT_SCL
R390
R9411
100
100
CN302
1
2
3
0
0
R339
R343
SDA_3
SCL_3
EEPROM, 24C64 (IC201)
+3.3V_LIVE
0
25V
R4127
C4047
100nF
IC201
AT24C64N-10SC-2.7
E0
E1
E2
VSS
VCC
/WC
SCL
SDA
R4128
100
100
R4129
TP1470
TP1471
TP1472
SCL_EEPROM
SDA_EEPROM